LANDS
DIRECTORATE

DIRECTION GÉNÉRALE
DES TERRES

Environment Canada   Environnement Canada

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HD 107 W6713
VOL   ISS 20
WORKING PAPER (CANADA. LANDS DIRECTORATE.)

AN INVENTORY OF FEDERALLY MAINTAINED LAND DATA

WORKING PAPER No. 20

Environment Canada   Environnement Canada

Canada

AN INVENTORY

OF FEDERALLY MAINTAINED LAND DATA

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March 1982

Lands Directorate

Environment Canada

Working Paper 20

Minister of Supply and Services Canada

Cat. No. 73-4/20E

ISBN 0-662-11880-4

HC 107-W6713

ACKNOWLEDGEMENTS

Compilation of this inventory has been an interesting and challenging experience. Many people assisted in many ways and while suggestions were not always implemented they were always very much appreciated.

Special thanks go to Neville Ward who initiated this study and who was instrumental in its early development. Viesturs Neimanis deserves special acknowledgement for his continual advice and support. Others who made significant contributions were Andy Fergeson, Bob Blain and Connie MacDonald.

To Dr. Ian Sneddon, a note of thanks for permitting access to the report prepared by Dr. Tomlinson for the Department of Indian and Northern Affairs on land data collections in their Yukon Office.

Lucille Chénard deserves special thanks for her extra efforts in typing the contents of this inventory.

The final acknowledgement goes to the contacts who helped in many different ways. Their overall cooperation was, and is, greatly appreciated. And thanks for the special interest expressed by Brian Gosselin, Bob Harrold, Dave Roberts and Jim Whittaker.

TABLE OF CONTENTS

page/file

ACKNOWLEDGEMENTS.. iii

INTRODUCTION.. 1
    Blank Inventory Description Form........................... 6

KEYWORD INDEX... 10

DATA COLLECTION DESCRIPTION FORMS:

AGRICULTURE CANADA.. AGR
- Canadian Soil Information System.......................... AGR 1
- Canadian Agricultural Research Council.................... AGR 2
- Land Resource Research Institute.......................... AGR 3
- Agriculture Stabilization Board........................... AGR 4

CANADA MORTGAGE AND HOUSING CORPORATION..................... CMHC

CANADIAN DAIRY COMMISSION...................................... CDC

DEPARTMENT OF COMMUNICATIONS................................... COM

DEPARTMENT OF REGIONAL AND ECONOMIC EXPANSION................ DREE

ENERGY, MINES, AND RESOURCES CANADA............................ EMR
- Surveys and Mapping Branch.................................. EMR 1
- Geological Survey of Canada................................ EMR 2
- Earth Physics Branch....................................... EMR 3

page/file

- Mining Policy Sector .... EMR 4
- Canada Centre for Remote Sensing .... EMR 5
- Energy Sector .... EMR 6
- Canada Centre for Mineral and Energy Technology .... EMR 7

ENVIRONMENT CANADA .... EC
- Inlands Water Directorate .... EC 1
- Canadian Wildlife Service .... EC 2
- Canadian Forestry Service .... EC 3
- Atmospheric Environment Service .... EC 4
- Environmental Protection Service .... EC 5
- Lands Directorate .... EC 6
- Parks Canada .... EC 7
- Library Services .... EC 8

FARM CREDIT CORPORATION .... FCC

FISHERIES AND OCEANS .... F&O
- Freshwater Institute .... F&O 1
- Research and Resource Services .... F&O 2
- Pacific and Freshwater Fisheries .... F&O 3

HEALTH AND WELFARE CANADA .... H&W

INDIAN AND NORTHERN AFFAIRS CANADA .... INA
- Northern Environment Branch .... INA 1
- Northern Non-Renewable Resources Branch .... INA 2
- Renewable Resources Branch .... INA 3
- Northern Economic Planning Branch .... INA 4
- Major Projects Assessment Branch .... INA 5
- Northern Coordination and Social Development Branch .... INA 6

page/file

- Reserves and Trusts Branch .... INA 7
- Research Branch .... INA 8
- Yukon Region .... INA 9

INDUSTRY TRADE AND COMMERCE .... IT&C

NATIONAL ENERGY BOARD .... NEB

NATIONAL HARBOURS BOARD .... NHB

NATIONAL LIBRARY .... NL

NATIONAL MUSEUMS OF CANADA .... NM

NATIONAL RESEARCH COUNCIL .... NRC
- Geotechnical Section .... NRC 1
- Canadian Institute for Scientific and Technical Information (CISTI) .... NRC 2

PETRO-CANADA .... PCAN

PUBLIC ARCHIVES CANADA .... PA

PUBLIC WORKS CANADA .... PWC

TRANSPORT CANADA .... TC

APPENDIX A

Statistics Canada Land Data

INTRODUCTION

Land is fundamental to the production of the most essential resources, including food, fibre, minerals, fuels, shelter, water and oxygen. Land is an integral element in the control of pollution and maintenance of productive ecosystems, and is therefore, also an integral element in local, regional and national planning and policy issues.

Because land is the origin of Canada's most important economic resources it is the subject of a wide variety of research and productive activities involving data production. As a result large amounts of eclectic data relating to land have been produced over the years. More recently the advance of computers and the popularity of multi-variate analysis have created a dramatic increase in the production and collection of land data and the variety of its uses.

Despite the demand for data, and the fact that governments are the greatest collectors of land data there has been no nationwide inventory to assist public access to this data. However, some provincial governments have produced or funded inventories of "land resource" and "land" and and "land-related" information sources. Because there was no federal government inventory of land data and because of the potential benefit to many throughout the nation it was decided to produce this federally-oriented inventory. Both federal and provincial land data users supported the contention that such an inventory is required in order to more easily locate the appropriate federal office for specific data collections. These people also indicated that besides acquiring data and avoiding duplication of data production there was also the considerable benefit of being able to identify peers in the federal government.

This inventory study is a modest attempt to produce a starting point from which an on-going inventory of all government maintained land data collections could begin. Despite the need for a complete inventory containing data collections from all levels of government the resources required for the inclusion of provincial and municipal in that inventory were not available. If some organization were to undertake such an inventory, the experience of this study clearly indicates that success would require the active participation of both the users and data collection contacts themselves. It is a matter of there being so much information and so few resources to process it.

Objectives of the Inventory

The prime objective of this inventory is to identify major federal collections of land data and to provide informative descriptions of them to potential users. It is hoped that this information will increase the effective use of the data collections for land research, planning and management purposes.

A secondary objective is to help users, especially those whose task it is to maintain data, identify their peers and to benefit from their related experiences. Data collection maintenance is a rapidly changing and specialized science and those who must maintain collections can benefit from the related experiences of others especially those who work under a similar variety of conditions and constraints.

Terms of Reference and Definitions:

Identification of data collections required that terms of reference be developed and carefully expressed in order to help contributors judge whether a given collection should or should not be included in the inventory. Composition of a fully satisfactory definition was made more difficult since many producers of land-related data do not perceive their data in this way due to their particular disciplinary bias.

After some trial and error the following description was used to define a land data collection:

> "a manual or computerized data set, report, bank, or system which stores, according to spatial (geographic) criteria, physical-environmental, historical-cultural, or social-economic data that have implications regarding the accessibility, capability, and/or use of land".

In order that a collection be included as a 'federal' collection it must be maintained by the federal government. Any collection which could not have a federal government department, agency, or corporation employee or office indicated as the official contact for information and access to the data was not considered to be "federally maintained land data".

For the purpose of this study both source (numeric) data and bibliographic (reference) data were included in the inventory. While emphasis has been placed on the identification of source data holdings, bibliographic holdings were less strictly screened due to their eclectic nature and high general value. Approximately 10% of the inventoried collections are bibliographic in nature.

Inventory Preparation:

While designing the methodology to be followed in the survey stage of this study it was realized that most people dislike answering survey questionnaires and filling out forms, consequently it was decided that Lands Directorate researchers would fill out as much of the required form as possible. This provided a degree of standardization of the descriptions and improved the ability of the contacts to participate by minimizing the time required of them to validate the collections already identified and described. Identification of new data collections by the contacts was frequent.

Data Collection Identification:

The method used to identify data collections involved two steps. The first was to acquire and research annual reports, financial estimates publications, data directories, and telephone directories of federal government departments, agencies, and corporations. This effort identified major data storage systems, programs and operational units which, in whole or in part, were created to collect land data. Considerable information describing the identified data collections was gleaned from these sources.

The second step was to identify offices and individuals responsible for these data collections by associating programs with operational units, positions and phone numbers listed in the telephone directories. Direct contact (telephone and personal interviews) provided further information required to describe the data collections, and often identified other heretofore unknown collections and sources of information.

Describing the Data Collections:

Inventory forms were used to standardize the information collected on each data holding and to provide users with sufficient information with which to judge the utility of the data vis-à-vis their particular needs. The name position, address and telephone number of the official contact person (preferably the scientific authority) responsible for the data is provided to permit direct liaison.

A blank copy of the inventory form is printed on the following page.

The descriptions of each data collection published in this report was first written by Lands Directorate researchers based on the gathered information. Effort was made to standardize the kind of information provided for each collection, but considerable variation existed due to the availability of information and the type of data collection. Little effort was made to standardize terminology; it was decided that the terms used by the originators of the data collectors should be given priority since it is they and not the Lands Directorate staff who will be contacted by interested data users.

The final contents of the data description forms was often provided by the contact person identified on the form, and any contact who demonstrated an interest in re-writing the contents or preparing the contents of newly identified holdings was encouraged to do so.

There are two notable exceptions to the use of these forms. The first is the detailed description of the Canada Land Data System holdings of client material. Several pages of lists are required to present the holdings. The second exception is the description of the Statistics Canada land data holdings. Statistics Canada undertook a review of their

FILE NUMBER ____________

(1) agency name:

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

(7) description & features

(8) geographical identifications

(9) storage medium:
electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

GUIDE TO FORM COMPLETION

FILE NUMBER ____________

Complete title used to identify data set, include accepted acronym.

(1) agency name: *Complete name including organization subdivisions.*	**(2) date:** *date collection initiated* **(3) periodicity:** *frequency of collection update* **(4) area:** *Geographical Region for which data is relevant* **(5) file size:** *contact's description*

(6) Keywords: (subject and variables)

Descriptive terms indicating subject and variables included in the collection. Terminology used is at contact's discretion.

(7) description & features

Concise description of collection. May be continued on attached sheet, contains information necessary to understand of intended and possible application of data. Format and extent of detail up to contact can include year(s) data valid for, unique aspects of collection methodological aspects.

(8) geographical identifications

Means used to relate data to land parcels, eg. legal description, latitude and longitude military grid, UTM projection street address, telephone gird, survey plan, etc.

(9) storage medium: **electronic** *Examples:* *key punch cards* *magnetic tape* *floppy disc* *hard disc* *others: (specify)*	**hard copy** *Examples:* *index cards* *tables* *charts/graphs* *maps/overlays* *others: (specify)*	**(10) spatial character:** *semi-spatial: Land area defined but values not homogeneously distributed. Point. Line: Isotherm, etc. Areal.* **(11) scale of maps:** *If applicable*

(12) origin of data: *Describe how data was acquired eg. in-house-questionnaire, contract-field survey Primary source-cneus of Canada 1971, etc.*	**(13) contacts:** *Full name, mailing address and phone number of contact persons responsible for data collection*

contribution to national land data collection and produced a report entitled Report of the Working Group on Land Statistics in June 1981.[1]

It was the involvement of the Lands Directorate in this working group that helped initiated this inventory and it was agreed that Lands would utilize the results of the Statistics Canada in-house review. Consequently, the appropriate table from their report identifies the land data holdings of Statistics Canada.

Inventory Form Verification:

Verification of the data collection description forms by the official contact person or office was deemed necessary prior to publication. Verification was achieved by mailing to each contact a copy of the inventory form(s) which described their data collection and those of others in their office.

The contacts were asked to verify the descriptions of their collections, to make any necessary additions and/or deletions, and to identify other appropriate data collections not already identified.

To assist them in the verification stage a "Guide to Form Completion" was included with the description of their collection. The guide form is a duplicate of the inventory form except that descriptive information has been replaced by explanations of the kind of information desired.

A copy of the guide form is printed on the back of the blank inventory form.

---

[1] This report was submitted by A.M. Friend, Chairman of the Working Group on Land Statistics to the Chief Statistician on July 6, 1981.

The Keyword Index

The Keyword Index is composed of keywords presented on the inventory description forms. Due to the interdisciplinary nature of the data collections identified herein, no attempt was made to standardize the keywords except in a most rudimentary editorial manner. However, subjective editing of keywords from the index was practiced during the compilation of the index. Consequently, not all keywords found on the inventory form have been included in the index.

Use of this Inventory

In using the inventory it is suggested that the user seek out collections associated with the subject of his/her interest by locating appropriate keywords and noting the assoiciated inventory file number(s). Since the keywords alone often do not reflect the total character of the data collection it is also advisable that users 'thumb' through the departmental sections where the collection descriptions are located. Often identifying the department where you think or know a particular type of data is kept one can identify the appropriate collection descriptions.

It is important to keep in mind, that while the keyword guide will locate data collections associated with the keyword it cannot be assumed that all data collections containing the desired data will necessarily be listed under that term. Variations in terminology, reluctance to state the obvious and other practical reasons have resulted in the keyword descriptions of many data forms being less than exhaustive.

Should anyone wish to identify federal land data collections not already described in this inventory, they are invited to complete a copy of the blank sample inventory form and send it to:

Lands Directorate
Environment Canada
Ottawa, Ontario
K1A 0E7

KEYWORD INDEX

ABORIGINAL RIGHTS:
  INA 8/1-1

ACCESSIBILITY:
  Indian Reserves - INA 7/2-1

AERONAUTICAL CHARTS:
  EMR 1/5-5

AEROMAGNETIC:
  EMR 3/1-4

AERIAL PHOTOGRAPHS:
  EC 3/2-1, 5/5-2
  EMR 1/5-1, 1/5-2, 1/5-3
  INA 3/1-2

AGRICULTURAL:
  Land Use - EC 6/2-1, 6/2-2
  Legislation - EC 6/2-1

  Population - EC 6/2-5
  Production - AGR 1/1-4, 4/1-1
  DC 1/1-1

  Research - AGR 2/1-1
  Reserves - EC 6/2-1
  Stabilization - AGR 4/1-1
  Sub Marginal Land - DREE 2/1-2
  Subsidies - AGR 4/1-1, DC 1/1

AGRICULTURE:
  Census - EC 6/6-12A, EC 6/2-5, also Appendix A
  Development - DREE 1/1-1
  Herbicide spraying - EC 5/6-2
  Soil Capability - EC 6/4-1, 6/6-1

ATOMIC ENERGY:
  Control - INA 2/1-1

BIBLIOGRAPHIC:	
Agricultural -	AGR 2/1-1
Energy -	EMR 6/1-1
Environment -	EC 1/4-1, 1/4-2, 7/1-1 EMR 2/3-1, 4/1-1
Mineral Processing -	EMR 7/2-1
Mineral Technology -	EMR 7/2-2
Mining Geology -	INA 2/1-1
Northern -	INA 4/1-1, 6/2-1
Oil and Gas -	INA 2/3-1
Projects (development) -	INA 5/1-1
Remote Sensing -	EMR 5/1-1
Transportation -	TC 1/1-1
BIRDS:	EC 2/(all subsets)
BIOPHYSICAL:	EC 3/2-3, 3/2-7, 3/3-1, 5/1-2, 6/6-7, 6/6-12C, 6/7-2
BOUNDARY: (areas, grids):	EC 6/6-12D, 6/6-13 EMR 1/3-1, 1/4-1
CADASTRAL:	EMR 1/1-1 INA 7/1-1
CAMPSITES:	INA 6/1-1
CANADA LANDS:	See Federal Property
CENSUS:	EC 6/2-5, 6/6-10 Appendix A - Statistics Canada
CLIMATE:	
Agrometeorology -	AGR 1/1-3, 3/1-1, 3/1-2, 3/1-3 EC 4/1-2
Bibliographic -	EC 4/1-4
Climatic Norms -	AGR 3/1-1 EC 4/1-2
Multi-Use -	EC 4/1-1, 4/1-3
Weather Types -	EC 4/1-3

COAL:
PCAN 1/1-1
EMR 7/2-3
    Bibliographic - EMR 7/2-3

COASTAL ZONE:
EC 6/7-2

CONTAMINANTS:
EC 5/1-1, 5/2-2, 5/3-2
F&O 1/1-1
    Bibliographic - EC 5/3-1, 5/3-3

CONTROL:
    Points - EMR 1/3-1
    Vertical/Horizontal - EMR 1/4-1

CROWN LAND:
INA 7/1-1
NEB 1/1-1

DEMOGRAPHIC:
    Northern - INA 4/1-1

DRAINAGE:
EMR 1/6-1

EARTHQUAKE:
EMR 3/2-1, 3/2-2

ECOLOGICAL:
EC 3/4-1, 6/5-1, 6/5-2, 6/5-3, 6/5-4, 6/6

ECONOMIC:
F&O 1/1-5

ECOSYSTEMS:
    Fisheries - F&O 2/1-1

ELEVATION:
COM 1/1-1
EC 5/1-2
EMR 1/2-2, 1/6-1

EMERGENCY EQUIPMENT:
  Bibliographic - EC 5/2-1

ENERGY:
  Atomic - INA 2/1-1
  Bibliographic - EMR 6/1-1, 7/2-3

ENGINEERING:
  Oil and Gas - INA 2/2-1

ENVIRONMENTALLY SENSITIVE AREAS:
EC 3/4-2

ENVIRONMENTAL:
  Impact - F&O 1/1-4
  INA 1/2-1
  NHB 1/1-1
  Management - INA 1/2-1

FARM REHABILITATION:
DREE 2/1-1, 2/1-2, 2/1-3

FEDERAL PROPERTY:
PWC 1/1-1, 1/1-2
EC 6/1-1, 6/6-12E
EMR 1/4-1
INA 7/1-1

FISH:
  Catch/unit effort - F&O 1/1-4, 1/1-5
  Commercial - F&O 1/1-2, 1/1-5
  Ecosystems - F&O 2/1-1
  Habitat - F&O 1/1-3

FOREST FIRE
EC 3/2-2, 2-4, 2-5, 2-6, 4-1
INA 3/1-3

FORESTS:	
Development -	DREE 1/1-1
-	EC 3/all subsets
	EC 6/2-5, 6/6-12F
Indian Reserves -	INA 7/2-1
Inventory -	EC 3/
Management -	INA 3/1-3
Soil Capability -	EC 6/6-2
FRUITLANDS:	
	EC 6/2-3
GEOCHEMICAL:	
	EMR 2/1-1, 2/1-2, 2/2-1, 4/1-2
Bibliographic -	EMR 2/3-1
GEODETIC:	
	EMR 1/2-1
Bibliographic -	EMR 2/3-1
GEOGRAPHICAL NAMES:	
	EMR 1/1-1
GEOLOGY:	
	EMR 2/4-1, 4/1-1, 4/1-2
	INA 2/1-1
Bibliography -	EC 5/1-3
	EMR 2/3-1, 4/1-1
	INA 2/1-1
GEOMAGNETIC:	
	EMR 3/all subsets
GEOLOGICAL:	
Well Data -	INA 2/2-1, 2/2-2
GEOPHYSICAL:	
	EC 6/6-12G Inventory - AGR 1/1 EMR 4/1-2
GRAVITY:	
	EMR 3/3-1

GROUND COVER:	COM 1/1
GLACIATION:	EC 1/3-2
HARBOURS:	F&O 3/1-1 NHB 1/1-1
HAZARDOUS MATERIALS:	EC 5/1-1, 5/2-2
HOUSING:	H&W 1/1-2 Appendix "A" - Stats Can.
HUNTING:	INA 6/1-1
HYDROLOGY:	EC 1/all subsets F&O 2/1-1
HYDROGRAPHIC:	EC 6/6-12H
HYDROGRAPHY:	EMR 1/6-1
INDIAN RESERVES:	INA 7/1-1
INFRASTRUCUTRE:	CMHC 1/1
Irrigation -	DREE 2/1-3
INSECTS:	EC 3/1-1, 3/2-2
IRRIGATION:	DREE 2/1-1
Infrastructure -	DREE 2/1-3

LAND:

Accounting -	INA 2/3-3
Biophysical -	AGR 1/1-3
Claims -	INA 8/1-1
Conversion -	EC 6/4-1
Holding -	DREE 2/1-1, 2/1-2
Leases -	INA 1/1-1, 2/3-3 NEB 1/1-1 PCAN 1/1-1
Ownership -	CMHC 1/1 DPW 1/1-1, 1/1-2, INA 1/1-1
Registry -	INA 7/1-1
Rights-of-way -	EMR 1/4-1 NEB 1/1-1
Sales Registry -	FCC 1/1-1
Status -	EC 6/7-3
Surrendered -	INA 7/1-1
Transactions -	INA 1/1-1

LAND CAPABILITY:

	EC 6/2-1, 6/2-2, 6/6(all subsets)
Waterfowl -	EC 6/4-1
Ungulate -	EC 6/4-1
Outdoor Recreation -	EC 6/4-1
Forestry -	EC 6/4-1
Agriculture -	EC 6/4-1

LANDFORMS:

Suitability -	EC 6/7-1

LAND SYSTEMS:

EC 3/2-7

LAND USE:

	EC 6/2-1, 2-4, 5-5, 6-11, 6-12I, 7-3. INA 1/2-1
Atlas -	INA 6/1-1
Change -	EC 6/2-4, 2-5, 4-1
Change Detection -	EC 6/5-6
Indian Reserves -	INA 7/2-1
Improvements -	DREE 1/1-2
Inventory -	EC 6/5-6
Northern -	EC 6/3-1 INA 6/1-1
Oil and Gas -	INA 2/3-3
Planning -	EC 6/6-13
Ports -	NHB 1/1-1
Sections -	EC 6/5-5

LAND/WATER USE:	
	EC 6/7-2
LEASES:	
	See Land Leases
in perpetuity -	NEB 1/1-1
LIMINOLOGY:	
(re: resource engineering)	F&O 1/1-4
MAPS: (major collections)	
	NL 1/1-1
Topographic -	EMR 1/5-4, 5-6, 5-7
Northern Land Use -	EC 6/3-1
	INA 6/1-1
MINERAL RESOURCES:	
	EMR 2/4-1, 4/1-1, 4/1-2
Bibliographic -	EMR 2/3-1, 4/1-1, 7/2-1, 7/2-2
	INA 2/1-1
MINE TAILINGS:	
	EMR 7/1-1
NAVIGABLE WATERS:	
	NEB 1/1-1
OIL AND GAS:	
	INA 2/2-1, 2/3-1
	PCAN 1/1-1, 1/1-2
Land Rights -	INA 2/3-3
Velocity Analysis -	INA 2/3-2
PLANNING:	
	F&O 3/1-1
Multi Disciplinary -	NHB 1/1-1
POLLUTION:	
	EC 5/3-1, 5/3-2
Bibliographic -	EC 5/3-3
RAILWAY:	
	EMR 1/6-1

RECREATION:

Bibliography - EC 6/6-5
IT&C 1/1-1

REMOTE SENSING:

Bibliographic - EC 6/5-5, 5-6, 6-12
EMR 1/5-1, 5-2, 5-3
EMR 5/1-1

RESOURCE DEVELOPMENT PROJECTS:

INA 5/1-1

RESOURCE PRODUCT DIVERSIFICATION:

DREE 1/1-2

RESOURCE USE:

AGR 1/1-4
DC 1/1

RIGHTS-OF-WAY:

EMR 1/4-1
NEB 1/1-1

RIVER:

Ice - EC 1/3-1, 1/3-3

ROADS:

EMR 1/6-1

ROCK STRATA PLANES:

INA 2/3-2

RURAL LAND:

Value - EC 6/4-1
FCC 1/1-1

SEISMOGRAMS:

EMR 3/2-2, 3/2-3

SALES REGISTRY:

FCC 1/1-1

SILVICULTURE:

EC 3/2-2

SETTLEMENT SUITABILITY:

EC 6/7-1

SHORELINE:

EC 6/6-9

SOILS:

EC 6/5-5

- Capability - EC 6/6
- Classification - AGR 1/1-1
- Degredation - AGR 1/1-2
- Indian Reserves - INA 7/2-1
- Mapping - AGR 1/1-1
- Moisture - AGR 1/1, 3/1-2
- Names - AGR 1/1-5
- National Parks - EC 5/1-2
- Productivity - AGR 1/1-4
- Settlement Suitability - EC 6/7-1
- Survey - AGR 1/1-1

SOLID WASTE MANAGEMENT:

EC 1/4-4

SPORTFISH:

EC 6/6-6

SEDIMENT:

EMR 2/1-1, 2/2-1

TERRAIN MAPPING:

EC 3/3-1
EMR 1/6-1

TILL:

EMR 2/1-1

TOURISM:	
Bibliographic -	ITC 1/1-1
TRANSPORTATION:	
Bibliographic -	TC 1/1-1
Infrstructure -	NHB 1/1-1
TRAPPING:	
	INA 6/1-1
TREATIES:	
	INA 8/1-1
TREE PLANTING:	
	DREE 2/1-1
URBAN:	
	EC 6/6-12K
Areas -	EC 6/4-1
Growth -	EC 6/2-2
WATER:	
Chemistry -	F&O 1/1-4
Effluent -	EC 5/4-1, 5/5-1
Engineering -	EC 1/3-1
Ice&Snow -	EC 1/3 (all subsets)
Quality -	EC 1/2-1, 1/5(all), 5/4-1, 5/4-3, 5/5-2
Supply -	EC 5/4-3
Use -	INA 1/2-1
Volume -	EC 1/1 (all subsets)
Waste Treatment -	EC 5/4-3
WETLANDS:	
	EC 3/2-3
WILDLIFE:	
	EC 2/all, EC 5/1-2
Waterfowl -	EC 6/6-4
Ungulates -	EC 6/6-3
WATERSHED BOUNDARIES:	
	EC 6/6-13

FILE NUMBER AGR 1/1

CANSIS - CANADIAN SOIL INFORMATION SYSTEM (A MANAGEMENT SYSTEM)

(1) agency name:

Agriculture Canada

(2) date: 1967

(3) periodicity: as information is generated

(4) area: National

(5) file size: approx. 10 distinct but compatible data files within CANSIS

(6) Keywords: (subject and variables)

Soil - all aspects agricultural and engineering. Geophysical Inventories, soil fertility and soil survey research, wildlife and wildlife habitat inventories, NTS sheets, urban fringe studies, parks, area and project - specific data.

(7) description & features System provides a standardized facility for collecting, inputting and processing data. Programming facilities for particular outputs enhances the scope of management decisions which can be made via CANSIS. Capability for soil characterization and quantification for purposes of correlation, soil resource interpretation and parametric land evaluation. CANSIS contains derivative (single physical factor) as well as interpretive (land use capability from derivative maps) Maps. All mapable data is digitized such that maps may be automatically generated and output by the system.

(8) geographical identifications

(9) storage medium:

electronic
magnetic tape
hard disc

hard copy
maps/overlays

(10) spatial character:

point, line, areal

(11) scale of maps:
1:10,000; 1:5,000,000

(12) origin of data:

Soil surveys, research projects, fertility trials, special studies, land use surveys

(13) contacts:

Dr. Bruce Kloosterman
Agriculture Canada
Central Experimental Farm
KW Neatby Building, Room 303
930 Carling Avenue
Ottawa, Ontario
(613) 995-2323

FILE NUMBER AGR 1/1-1

SOIL DATA FILE - DETAIL II - (IN CANSIS)

(1) agency name:

Agriculture Canada

(2) date:

(3) periodicity: as information becomes available

(4) area:

(5) file size: 4,239 entries each describing as many as 750 variables

(6) Keywords: (subject and variables)

Soil survey information identification, classification, geographic location, climate, vegetation, site description, interpretations, special notes, morphological description, chemical data, physical data and minerology, historic and current profile data. Canadian System for Soil Classification.

(7) description & features

National-provincial records of environmental, morphological and chemical variables obtainable from a pedon sampling site.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

Paper

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dr. Bruce Kloosterman
Agriculture Canada
Central Experimental Farm
KW Neatby Building, Room 3003
930 Carling Avenue
Ottawa, Ontario
(613) 995-2323

FILE NUMBER AGR 1/1-2

LAND DEGRADATION FILE - (IN CANSIS)

(1) agency name:

Agriculture Canada

(2) date:

(3) periodicity: As information becomes available

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

(7) description & features

National-provincial file collating soil resource deterioration under natural or maninduced conditions. Maps of resource degenration and its causes, case histories, monitoring studies.

(8) geographical identifications

(9) storage medium:
electronic

hard copy

tables(statistical)

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:
Dr. Bruce Kloosterman
Agriculture Canada
Central Experimental Farm
KW Neatby Building, Room 303
930 Carling Avenue
Ottawa, Ontario
(613) 995-2323

FILE NUMBER AGR 1/1-3

LAND POTENTIAL DATA BASE - FORMERLY FAO DATA BASE - (IN CANSIS)

(1) agency name:

Agriculture Canada

(2) date:

(3) periodicity: updated as information becomes available

(4) area:

(5) file size: one land potential map of Canada 1:5M

(6) Keywords: (subject and variables)

Biophysical, Agrometeorological

(7) description & features

Map of Soils of Canada. Canada divided into 755 distinct polygons. 2,008 variables measured for each polygon. System limit is 100 categories per map. Therefore, 21 different maps would be generated to cover all variables considered in this file.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dr. Bruce Kloosterman
Agriculture Canada
Central Experimental Farm
KW Neatby Building, Room 3003
930 Carling Avenue
Ottawa, Ontario
(613) 995-2323

FILE NUMBER AGR 1/1-4

PERFORMANCE MANAGEMENT FILE - (IN CANSIS)

(1) agency name:

Agriculture Canada

(2) date:

(3) periodicity:

(4) area: 2,811 entries with as many as 361 variables in each

(5) file size:

(6) Keywords: (subject and variables)

(7) description & features

National-provincial soil productivity data relative to specific crops (agricultural and woodland) and land uses, under specified levels of management. Soil response to forestry, recreation, urbanization, agriculture, etc. Soil resource use, yields and carrying capacities. (Ideally) information should be specific to particular soils or areas to follow for interfacing of this file with the soil data and soil cartographic file.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dr. Bruce Kloosterman
Agriculture Canada
Central Experimental Farm
KW Neatby Building, Room 3003
930 Carling Avenue
Ottawa, Ontario
(613) 995-2323

FILE NUMBER AGR 1/1-5

SOIL NAMES FILE - (IN CANSIS)

(1) agency name:

Agriculture Canada

(2) date:

(3) periodicity: as available

(4) area:

(5) file size: 5,000 entries describing soils in high level

(6) Keywords: (subject and variables)

(7) description & features

Describes soils by name which are used in the Canadian System for Soil Classification, catalogue to information contained in CANSIS on a particular soil. National-provincial file listing all soil names that have been or are being used in Canada, and their appropriate subgroup classifications. Contains soil Correlation Index; Catalogue to information in CANSIS on a particular soil.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dr. Bruce Kloosterman
Agriculture Canada
Central Experimental Farm
KW Neatby Building, Room 3003
930 Carling Avenue
Ottawa, Ontario
(613) 995-2323

FILE NUMBER AGR 2/1-1

INVENTORY OF CANADIAN AGRICULTURAL RESEARCH

-BIBLIOGRAPHIC AND NUMERIC -

(1) agency name:

Canadian Agricultural Research Council
(CARC) operationally supported by
Research Branch, Agriculture Canada

(2) date: data base in existence since 1975

(3) periodicity: updated annually

(4) area: Canada

(5) file size: 4,250 projects described

(6) Keywords: (subject and variables)

ICAR Identifier, establishment code, establishment type, estab, province, estab., project number, start date, language, project title, staff name, staff types, person-years, keycode data, keywords, funding agencies.

(7) description & features

Inventory of agricultural and food related research and development in Canada. Both numeric and bibliographic form; hardcopy version of inventory published approximately once per year.

(8) geographical identifications

(9) storage medium:

electronic

magnetic tape
hard disc

hard copy

(10) spatial character:

(11) scale of maps:
Canada

(12) origin of data:

Regional representatives coordinate mailing out, receipt of information on new projects, updates of existing projects for 180 research establishment across Canada, material returned to Research Branch for processing.

(13) contacts:

Dr. Robert Trottier, Director
Research Program Service
Research Branch, Agriculture Canada
Room 2125, K.W. Neatby Building
Central Experimental Farm
Ottawa, Ontario
K1A 0C6
(613) 995-5301

FILE NUMBER AGR 3/1-1

SQUARE GRID 30 YEAR CLIMATIC NORMALS, GREAT PLAINS

(1) agency name:

Land Resource Research Institute
Agrometeorology Section
Research Branch
Agriculture Canada

(2) date: 1981

(3) periodicity: 1931-70

(4) area: Canadian Great Plains

(5) file size: 18 NTS - 18 computer files per 10km^2 (80 pieces of info)

(6) Keywords: (subject and variables)

1931-1970 Cimatic normal

(7) description & features

1931-70 normals are fitted to the topography of the CGP on 10 km^2 grid. (one value per square) temp & digitating of 1,000,000 scale -

(8) geographical identifications

NTS

(9) storage medium:

electronic	hard copy
magnetic tape	published report

(10) spatial character:

areal

(11) scale of maps:

(12) origin of data:

AES -
Suacanigan - credit

(13) contacts:

Dr. W.G. Bailey
Agrometeorology Section
Land Resource Research Institute
Agriculture Canada
Building No 74
Central Experimental Farm
Ottawa, Ontario
K1A 0C6
(613) 995-9039

FILE NUMBER AGR 3/1-2

AGMET DATA FILES ESTIMATED SOIL MOISTURE UNDER DIFFERENT CONDITIONS - CROPLAND EVALUATION, SASKATCHEWAN

(1) agency name:
Land Resource Research Institute
Agrometeorology Section
Research Branch
Agriculture Canada

(2) date: 1977

(3) periodicity:

(4) area: Saskatchewan

(5) file size:

(6) Keywords: (subject and variables)

Soil moisture - soil moisture for dry land, arridity indicies (30 year averages); 4 soils, 6 layers, 5 crop stages, irrigator crop - 4 soils etc. for perennial crop

(7) description & features

Enables estimates of soil moisture under various conditions and also the irrigation requirements of specific climate, vegetation, soil relationships.

(8) geographical identifications

(9) storage medium:
electronic
magnetic tape

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:
Mr. J. Shields
Agriculture Canada
Agrometeorological Section
Central Experimental Farm
Phone: 995-9039

FILE NUMBER AGR 3/1-3

AGMET, AGNET

(1) agency name:

Land Resource Research Institute
Agrometeorology Section
Agriculture Canada

(2) date: 1964

(3) periodicity:

(4) area: Canada

(5) file size: 300 + stations

(6) Keywords: (subject and variables)

Agro-Climatic data maximum and minimum temps., rain snow, total precipitation, snow on ground (when avail) p.e.

(7) description & features

Contains quality controlled daily parameters (above) D.C. is established derived, basic. Baien-Robertson formulae. Covers all of Canada, current heavy density, Sask., Alberta. Ontario, expanding in Manitoba and other provinces.

(8) geographical identifications

P. stn. No. Id. (AES No.)

(9) storage medium:
electronic
magnetic tape

hard copy

(10) spatial character:

point

(11) scale of maps:
N/A

(12) origin of data:

AES

(13) contacts:

Mr. Dennis Chaput
AGMET
Bldg 74
Central Experimental Farm
Ottawa, Ontario K1A 0C6
995-9039

FILE NUMBER AGR 4/1-1

ASB PRODUCER FILES

(1) agency name:

Agriculture Stabilization Board
Agriculture Canada

(2) date: 1974

(3) periodicity: on-going

(4) area: all-provinces

(5) file size: 200,000 entries
(files retained for 5 years only)

(6) Keywords: (subject and variables)

Agricultural Production - Producer I.D., land location, production statistics (by commodity) production claimed for subsidies, payments made to producers and documents supporting production and sales. Production problems and standard costs of production.

(7) description & features

This file records the payment of subsidies paid to agricultural producers. It is organized by commodity. It does not contain a full production record by farmers, by commodity, as only the information provided by farmers when applying for subsidies, is included. The system is not fully automated. Due to confidentiality requirements access to data is limited and requires the persmission of the Stabilization Board Chairman. Times series comparisons are limited to 5 years preceeding current year. A Aggregated outputs are possible.

(8) geographical identifications

Lots, concession, township, county (Maritimes; land parcel number).

(9) storage medium:

electronic	hard copy
magnetic tape	files

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Individual producers

(13) contacts:

Mr. A. Gratton
Agricultural Stabilization Board
930 Carling Avenue
Sir John Carling Building
Ottawa, Ontario K1A 0C5
(819) 994-1610

FILE NUMBER CMHC 1/1

LAND AND INFRASTRUCTURE MAPPING PROGRAM

(1) agency name:

Canada Mortgage and Housing
Corporation

(2) date: August 1974

(3) periodicity: annually

(4) area: 28 urban regions

(5) file size:

(6) Keywords: (subject and variables)
Land ownership, infrastructure capacity, residential land supply

(7) description & features

A statistical summary of the programs underway in Saskatoon, Winnipeg, Hamilton, St. Catharines, Kitchener, London, Windsor and Halifax. Complete Data sets consisting of maps and tables (including land ownership lists, infrastructure capacity, info on specific parcels of land and photographic map prints). Residential land supply monitor program underway in 25 urban areas. Monitors supply and demand for residential land in the suburban areas of major Canadian Cities. Identification of supply constraints, info compiled includes servicing characteristics planning and subdivision approvals and ownership. Also program projects land availability for building within one year, two-three years, 4-5 years and beyond 5 years.

(8) geographical identifications

NTS base map

(9) storage medium:
electronic

hard copy
tables
maps/overlays
Integrated report
with map statis
tical tables

(10) spatial character:
areal

(11) scale of maps:
1:50,000, or 1:25,000

(12) origin of data:

CMHC

(13) contacts:
Brian Gosselin
Land and Infrastructure Division
CMHC National Office
Montreal Road
Ottawa, Ont KIA OP7
(613) 748-2000

FILE NUMBER CDC 1/1

MILK PRODUCERS' RECORDS

(1) agency name:

Canadian Dairy Commission
Subsidy Operations

(2) date: 1977

(3) periodicity:

(4) area: Canada

(5) file size: 70,000 entries

(6) Keywords: (subject and variables)

Milk production: files record shipments, subsidy payments and farmland location includes memoranda, financial reports, production data, production quota and amount of subsidy paid.

(7) description & features

Master file record of milk subsidy related information for period 1977 to present.

(8) geographical identifications

Western provinces: section, range, township, meridian
Ontario: lot number and concession
Quebec: lot number and range

(9) storage medium:

electronic

hard copy
farm land location;
microfiche -
shipments and
subsidy payments

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

From producers themselves

(13) contacts:

Mr. R.J. Labossière
Subsidy Operations
Canadian Dairy Commission
2197 Riverside Drive
Ottawa, Ontario K1A 0Z2
(613) 998-9490

FILE NUMBER COM 1/1

ELEVATION DATA BASE

(1) agency name:

Department of Communications
Communications Research Centre

(2) date: 1979

(3) periodicity: annual

(4) area: Ontario (also currently working on Maritime provinces)

(5) file size: 5,000 records

(6) Keywords: (subject and variables)

Elevation, ground cover

(7) description & features

Computer data base for VHF-UHF frequency radio wave propogation prediction. Elevations on square grid with 500 m. spacing. Primary output; elevations. Secondary output; ground cover. Codes for: trees, swamp, open, suburban, urban, fresh-salt water.

(8) geographical identifications

UTM grid co-ordinates

(9) storage medium:

electronic

magnetic tape
hard disc

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

1:50,000 topographic map series

(13) contacts:

Dr. Jim Whittaker
Department of Communications
Communications Research Centre
Box 11490
Station H
Ottawa, Ontario K2H 8S2
(613) 596-9501

FILE NUMBER DREE 1/1-1

DATA BANK NO. 20005 (GENERAL DEVELOPMENT AGREEMENTS, SUBSIDIARY AGREEMENTS, AND RELATED INITIATIVES)

(1) agency name:

Department of Regional and Economic Expansion

(2) date:

(3) periodicity:

(4) area: All provinces except PEI

(5) file size:

(6) Keywords: (subject and variables)

Forestry, Agriculture, Northlands, Highways applications, correspondence, memoranda, personal background and history, financial, employment, demographic and educational data, and analytical and economic reports.

(7) description & features The purpose of data bank is to collect data needed for the administratin of Subsidiary Agreements entered into with each province, consistent with the terms and conditions of General Development Agreements which establish the framework for development, as opportunities are identified individual subsidiary agreements are formulated; normally unique to each province. Examples are Forestry, Agricultural Development, Northlands Development, Highways, etc. Records, as they related to corporations are inaccessible. Individuals should provide name, address, phone number and the name of project or program.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

report and various other

(10) spatial character:

semi-spatial, point, areal

(11) scale of maps:

(12) origin of data:

(13) contacts:

Director General of appropriate regional access point

(See following list)

FILE NUMBER DREE 1/1-2

DATA BANK NO. 20010 (OTHER FEDERAL-PROVINCIAL PROGRAMS AND AGREEMENTS)

(1) agency name:

Department of Regional Economic
Expansion

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

Land Use Improvements, Resource-Product Diversification, applications, correspondence, memoranda, personal background and history, and financial, employment, demographic, socio-economic and educational data.

(7) description & features Includes data collected for the administration of ARDA's Farm Consolidation, Land Use Improvements, and Resource and Product Diversification programs; Special ARDA; Fund or Rural Economic Development Act Agreements. Under the Human Rights Act, records as they related to corporations are inaccessible. Individuals should provide name, address, phone number and the name of program concerned together with name of specific project.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

(10) spatial character:

point, areal

(11) scale of maps:

(12) origin of data:

(13) contacts:

Director General
of appropriate regional access point

(See list on next page)

DREE 1/1-A

DEPARTMENT OF REGIONAL ECONOMIC EXPANSION
REGIONAL ACCESS POINTS

Ashley Building
Peet Street
St. John's, Newfoundland
A1B 3R9

Centennial Building
1660 Hollis Street
4th Floor
Halifax, Nova Scotia
B3J 1V7

Dominion Building
97 Queen Street
Charlottetown, P.E.I.
C1A 7M8

Armstrong Building
590 Brunswick Street
Fredericton, N.B.
E3B 5A6

Claridge Building
220 Grande Allée E.
Suite 820
Québec City, Québec
G1R 2J1

Court Holding Building
233 Court St., South
Thunder Bay, Ontario
P7B 2X9

400-3 Lakeview Building
185 Carlton Street
Winnipeg, Manitoba
R3C 2V2

204 Towne Square Building
1919 Rose Street
Regina, Saskatchewan
S4P 3P1

Financial Building
10621-100th Ave.
8th Floor
Edmonton, Alberta
T5J 0B3

Bank of Commerce Building
1175 Douglas Street
Room 516
Victoria, British Columbia
V8W 2E1

Bessborough Tower
601 Spadina Crescent E.
Room 814
Saskatoon, Saskatchewan
S7K 3G8

FILE NUMBER DREE 2/1-1

DATA BANK NO. 20015 (PRAIRIE FARM REHABILITATION ACT WATER DEVELOPMENT SERVICE)

(1) agency name:

Prairie Farm Rehabilitation
Department of Regional Economic
Expansion

(2) date:

(3) periodicity:

(4) area: Manitoba, Saskatchewan, Alberta

(5) file size:

(6) Keywords: (subject and variables)

Irrigation, Tree Planting, applications, correspondence and memoranda, claims, technical, financial, design, research, maintenance, production and distribution data and records of land and cattle holdings.

(7) description & features The purpose of this bank is to collect data needed for the administration of the Water Development Service of the PFRA organization, which provides technical and financial assistance for the development of water and land resources, operates irrigation projects, produces and distributes tree seedlings and cuttings to farmers and government agencies as well as maintenance and project construction services. Files are used to determine eligibility for benefit, to administer programs including land acquisition, project licensing, tree distribution, and collection of monies owed and to audit and evaluate. Records, as they relate to corporations are inaccessible.

(8) geographical identifications

(9) storage medium:

electronic	hard copy

(10) spatial character:

point, areal

(11) scale of maps:

(12) origin of data:

(13) contacts:

Director
Prairie Farm Rehabilitation Administration
401 Motherwell Building
1901 Victoria Street
Regina, Saskatchewan
S4P 0R5

FILE NUMBER DREE 2/1-2

DATA BANK NO. 20020 (PRAIRIE FARM REHABILITATION ACT LAND USE SERVICE)

(1) agency name:

Prairie Farm Rehabilitation
Department of Regional Economic
Expansion

(2) date:

(3) periodicity:

(4) area: Manitoba, Saskatchewan, Alberta

(5) file size:

(6) Keywords: (subject and variables)

Sub-marginal land, pastures. Applications, correspondence and memoranda, contracts, financial, design, maintenance, and commercial data and land and cattle holdings.

(7) description & features

Data is collected for administration of the Land Use Service operated by the PFRA organization to facilitate the conversion of sub-marginal land into pasture and other pasture development activities. The program is responsible for all aspects of community pasture operations, maintenance and improvements. Under the Human Rights Act, records as they related to corporations are inaccessible.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

(10) spatial character:

point, areal

(11) scale of maps:

(12) origin of data:

(13) contacts:

Director
Prairie Farm Rehabilitation
Administration
401 Motherwell Building
1901 Victoria Street
Regina, Saskatchewan
S4P 0R5

FILE NUMBER DREE 2/1-3

DATA BANK NO. 20025 (PRAIRIE FARM REHABILITATION ACT ENGINEERING SERVICE)

(1) agency name:

Prairie Farm Rehabilitation
Department of Regional Economic
Expansion

(2) date:

(3) periodicity:

(4) area: Manitoba, Saskatchewan, Alberta

(5) file size:

(6) Keywords: (subject and variables)

Water development, Irrigation and Community Infrastructure contracts, correspondence and memoranda and technical, financial and design data.

(7) description & features Data is collected for administration of Engineering Service operated by PFRA organization to investigate, plan, design, construct and maintain various water development, irrigation and community infrastructure programs. Under Human Rights Act, records as they relate to corporations are inaccessible. Individuals should provide name, address, phone number, together with a brief statement of the specific area of their involvement with the PFRA Engineering Service.

(8) geographical identifications

(9) storage medium:

electronic	hard copy

(10) spatial character:

point, areal

(11) scale of maps:

(12) origin of data:

(13) contacts:

Director
Prairie Farm Rehabilitation
Administration
401 Motherwell Building
1901 Victoria Street
Regina, Saskatchewan
S4P 0R5

FILE NUMBER EMR 1/1-1

NATIONAL TOPONYMIC DATA BASE

(1) agency name:

Geographical Services Directorate
Survey and Mapping Branch
Energy Mines & Resources

(2) date: initiated Nov. 1979
proj. compl. date: Sept 30, 1982

(3) periodicity: to be updated daily

(4) area: Canada

(5) file size: 400,000 features once system completed (currently ½ complete)

(6) Keywords: (subject and variables)
Canadian geographical names - location of feature (munic., county), cadastral information, geog, coordinates, approval data of name by member of Permanent Committee on Geog. Names, name origin, map sheet number on which documentation for approval of name located.

(7) description & features

Automated system of Canadian geographic names - historic, current, approved, not approved - status of name on file A (1-9), B(1-9), C(1-9).

(8) geographical identifications

(9) storage medium:
electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:
Mr. Michael Munro
Topographical Survey Division
Surveys and Mapping Branch
Room 650
615 Booth Street
Ottawa, Ontario K1A 0E9
992-3647

FILE NUMBER EMR 1/2-1

FILE SUPPLEMENTARY TO NATIONAL GEODETIC DATA BASE

(1) agency name:

Geodetic Survey Division
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: currently being developed

(3) periodicity: to be dev. in 2 yr.

(4) area: Canada

(5) file size: 250,000 observations

(6) Keywords: (subject and variables)

position, elevation

(7) description & features

Observations at present partially digitized--stored currently in temporary files
30% of Canadian land mass digitized (mostly position records, not elevations)

(8) geographical identifications

Measurements between geodetic markers

(9) storage medium:

electronic

magnetic tape

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Mr. C.D. McLelland
Geodosy Group
Geodetic Surveys
Room 430
615 Booth Street
Ottawa, Ontario K1A 0E9
995-0207

FILE NUMBER EMR 1/2-2

NATIONAL GEODETIC DATA BASE

(1) agency name:

Geodetic Survey Division
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: originated 1971

(3) periodicity: updated weekly

(4) area: Canada

(5) file size: 150,000 points-actual physical markers on the ground

(6) Keywords: (subject and variables)

Position, elevation

(7) description & features

Used as control for mapping and other surveys

(8) geographical identifications

Geodetic positions and elevations

(9) storage medium:

electronic	**hard copy**
magnetic tape floppy disc	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Mr. C.D. McLelland
Geodosy Group
Geodetic Surveys
Room 430
615 Booth Street
Ottawa, Ontario
K1A 0E9 995-0207

FILE NUMBER EMR 1/3-1

INTERNATIONAL BOUNDARY COMMISSION (IBC) DATA BANK

(1) agency name:

International Boundary Commission
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: initiated 1980

(3) periodicity: projected com. 1982

(4) area: Canada - U.S. boundaries

(5) file size: 2,000 points present, 25,000 when complete

(6) Keywords: (subject and variables)

Control points (survey), boundary points, lats/longs, elevations, date of establishment, inspection status, improvements, description.

(7) description & features

Files contain IBC information on U.S. - Canada boundaries, records to be used and maintained jointly with U.S. Section; data bank currently ¼ complete, anticipate completion by 1982 with major update 1984; system contains appendix with survey records including distance/direction/position/azimuth/observations.

(8) geographical identifications

Canada - U.S. boundaries

(9) storage medium:

electronic
private PDT II
micro processor

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Carl Gustafson
International Boundary Commission
Surveys & Mapping Branch
615 Booth Street
Ottawa, Ontario K1A 0E9
995-6611

FILE NUMBER EMR 1/4-1

CANADA LANDS SURVEYS RECORDS (CLSR)

(1) agency name: Legal Surveys Division Surveys and Mapping Branch Energy Mines and Resources	(2) date: 1840 to 1981 (3) periodicity: continual updating (4) area: Canada (5) file size: 35,000 plans, 10,000 field books

(6) Keywords: (subject and variables)

Boundary, parcel identification, subdivision, rights-of-way, control (vertical/horizontal)

(7) description & features

All Crown Canada lands administered by Dept. of Indian and Northern Affairs (Indian reserves and settlements in the provinces; all Crown Canada lands in the Yukon and N.W.T.), National Parks, all off-shore surveys (oil and gas), federal canals, ordinance lands all National Parks and historic sites.

(8) geographical identifications

Legal Surveys

(9) storage medium: electronic all originals stored plus microfilm	hard copy	(10) spatial character: (11) scale of maps:

(12) origin of data: nine regional offices of Division	(13) contacts: Mr. Newman/Mr. R.O. Semper Canada Lands Survey Records Legal Survey's Division Surveys and Mapping Branch, EMR 615 Booth Street Ottawa, Ontario 995-4481

FILE NUMBER EMR 1/5-1

GENERAL COVERAGE CATALOGUE SYSTEM

(1) agency name:

(National Air Photo Library)
Reproduction & Distribution Division
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: 1948 to present

(3) periodicity:

(4) area: Canada

(5) file size:

(6) Keywords: (subject and variables)
Federal aerial photography

(7) description & features
System is divided into three segments: 1. A series of General System Coverage Catalogues, containing information on the photo coverage available from NAPL; 2. 35 mm colour positive reproductions of NAPL index maps, six to eight index maps per micro jacket; 3. 16 mm microfilm cartridges of aerial photography each cartridge containing up to 2,400 images.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
microfilms microfiche	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dianne Rombough
National Air Photo Library
615 Booth Street
Room 180
Ottawa, Ontario K1A 0E9
995-4560

FILE NUMBER EMR 1/5-2

GENERAL COVERAGE CATALOGUE SYSTEM

(1) agency name:

(National Air Photo Library)
Reproduction & Distribution Division
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: 1st edition 1974

(3) periodicity: updated annually

(4) area: Canada

(5) file size: 9 catalogues

(6) Keywords: (subject and variables)

Aerial photograph index - imagery, scale, flight data

(7) description & features

Record of aerial photographs stored by National Air Photo Library; "Federal Aerial Photography Catalogue for..." Nfld. & Labrador, Quebec, Maritimes, Ontario, Manitoba, Sask., Alta., Yukon, B.C., & N.W.T."

(8) geographical identifications

(9) storage medium:

electronic	hard copy
book format	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts: may be ordered from:

Diane Rombough
National Air Photo Library
615 Booth Street
Ottawa, Ontario
K1A 0E9
995-4560

FILE NUMBER EMR 1/5-3

FEDERAL AERIAL PHOTOGRAPHY AIRBORNE REMOTE SENSING CATALOGUE

(1) agency name:

(National Air Photo Library)
Reproduction & Distribution Division
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: 1st edition 1974

(3) periodicity: updated annually

(4) area: Canada

(5) file size: 1 catalogue

(6) Keywords: (subject and variables)

Imagery, scale, flight data

(7) description & features

Record of remote sensing imagery available at National Air Photo Library

(8) geographical identifications

Remote sensing imagery

(9) storage medium:

electronic	hard copy
book format	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Diane Rombough
National Air Photo Library
615 Booth Street
Ottawa, Ontario
K1A 0E9
995-4560

FILE NUMBER EMR 1/5-4

INVENTORY OF THE CANADA MAP OFFICE

(1) agency name:

(Canada Map Office)
Reproduction and Distribution Division
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: 1977 (1st edition)

(3) periodicity: every twenty days

(4) area: Canada

(5) file size: two microfiche reference sheets

(6) Keywords: (subject and variables)

Listing of all maps, charts and publications of the Canada Map Office

(7) description & features

Microfiche of Canada Map Inventory listed in alphabetic and numeric progression

(8) geographical identifications

National Topographic System

(9) storage medium:

electronic	hard copy
	microfiche

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Canada Map Office
Reproduction and Distribution Division
EMR

(13) contacts:

Mr. Peter Andrews
Canada Map Office
Surveys and Mapping Branch
130 Bentley Avenue
Ottawa, Ontario K1A 0E9
(613) 998-3865, 998-9900

FILE NUMBER EMR 1/5-5

CURRENT CANADIAN AERONAUTICAL CHARTS

(1) agency name:

(Canada Map Office)
Reproduction and Distribution Division
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: unknown

(3) periodicity: monthly

(4) area: Canada

(5) file size: 1 sheet

(6) Keywords: (subject and variables)

Availability of Canadian aeronautical charts

(7) description & features

Series may be ordered free of charge from Canada Map Office

(8) geographical identifications

NTS number or chart name.

(9) storage medium:

electronic	**hard copy**
	hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Aeronautical Charts
Division, EMR

(13) contacts:

Mr. Peter Andrews
Canada Map Office
Surveys and Mapping Branch
130 Bentley Avenue
Ottawa, Ontario K1A 0E9
(613) 998-3865, 998-9900

FILE NUMBER EMR 1/5-6

NEW AND REVISED MAP LIST

(1) agency name:

(Canada Map Office)
Reproduction and Distribution Division
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: unknown

(3) periodicity: one per month

(4) area: Canada

(5) file size: one-half to five pages

(6) Keywords: (subject and variables)

List of all new or revised topographic or geographic maps received at the Canada Map Office.

(7) description & features

May be ordered free of charge from the Canada Map Office

(8) geographical identifications

(9) storage medium: electronic	hard copy hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Canada Map Office
Reproduction and Distribution
Division
EMR

(13) contacts:

Mr. Peter Andrews
Canada Map Office
Surveys and Mapping Branch
130 Bentley Avenue
Ottawa, Ontario
K1A 0E9
(613) 998-3865, 998-9900

FILE NUMBER EMR 1/5-7

INDEX ONE, INDEX TWO, INDEX THREE

(1) agency name:

(Canada Map Office)
Reproduction and Distribution Division
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: 1st edition 1977

(3) periodicity: updated 1979 and 1981

(4) area: Canada

(5) file size: 3 volumes

(6) Keywords: (subject and variables)
Index of Canadian topographic maps - all scales

(7) description & features

Series may be ordered free of charge from Canada Map Office. Index 1 - MCR 2035 (E. Canada); Index 2 - MCR 2036 (W. Canada); Index 3 - MCR 2037 (N. Canada)

(8) geographical identifications

(9) storage medium:
electronic

book format

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:
Topog. Survey Division
Reproduc. & Distribution Div.
EMR

(13) contacts:

Mr. Peter Andrews
Canada Map Office
Surveys and Mapping Branch
130 Bentley Avenue
Ottawa, Ontario
KIA 0E9
998-3865

FILE NUMBER EMR 1/6-1

NATIONAL DIGITAL TOPOGRAPHIC DATA BASE

(1) agency name:

Topographical Survey Division
Surveys and Mapping Branch
Energy Mines and Resources

(2) date: currently in production

(3) periodicity: continually updated

(4) area: Nationwide

(5) file size: 50 or 60 maps current approx. 75 maps/yr.

(6) Keywords: (subject and variables)
Hypsography, contours, elevations, hydrography, drainage systems, vegetation, cultural information, roads, railways, buildings. etc.

(7) description & features
Developing National Digital Topographic Data Base*. base on 1:50,000 scale. Also dev. Digital Model elev. base; in add. to contours a 10m, grid of elev. (raster instead of vector form). In assoc. with system devel. Standardized Cartographic Spec's for federal-provincial data exchange. All prov. mapping agencies and groups rep.

* Currently coveras small % of Canadian land mass: part of N.B., S. Ont. & Arctic

(8) geographical identifications

Topographic Maps - digital form
Note: Complete coverage of Canada exists in graphical format 1:250,000 scale and 70% coverage at 1:50,000 scale.

(9) storage medium:

electronic	**hard copy**
magnetic tape	

(10) spatial character:

point, line, areal

(11) scale of maps:
1:250,000 & 1:50,000

(12) origin of data:

Photogrammetric compilation

(13) contacts:
Mr. M.E.H. Young
Chief, Systems Engineering
Topographical Survey Division
Surveys and Mapping Branch; EMR
615 Booth St., Ottawa, Ont. K1A 0E9
995-4637

FILE NUMBER EMR 2/1-1

"GEOCHEMISTRY OF CANADIAN TILL" DATA BASE

(1) agency name:

Terrain Sciences Division
Geological Survey of Canada
Energy Mines and Resources

(2) date: 1978 initiated

(3) periodicity: updated constantly

(4) area: Canada

(5) file size: 8,000 samples

(6) Keywords: (subject and variables)

Geochemical elements, trace elements - carbonate contents to be included eventually.

(7) description & features

Chemical and mineralogical data on surficial and glacial sediments
Most data on 2 unfunction of Glacial Till (Cu, Pb, Zn, Wi, Cr, Co, Ag, Fe, Mn, U, Cd, As, Mo) Most samples collected by glacial geologists - but many contributed by other geologists.

(8) geographical identifications

UTM projection

(9) storage medium:

electronic
magnetic tape

hard copy
index cards
charts/graphs

(10) spatial character:

point

(11) scale of maps:

1:50,000 - 1:250,000

(12) origin of data:

Field mapping and sampling
largely by geological survey
of Canada personnel

(13) contacts:

Dr. W.W. Shilts
Head, Sedimentology and Mineral Tracing
Terrain Sciences Division
Geological Survey of Canada
Energy Mines and Resources
Ph: 995-4523

FILE NUMBER EMR 2/1-2

PLUTONIC ROCKS IN ONTRARIO

(1) agency name:

Terrain Sciences Division
Geological Survey of Canada
Energy Mines and Resources

(2) date: 1977

(3) periodicity: no update

(4) area: Ontario

(5) file size: 1365 bodies identified

(6) Keywords: (subject and variables)

Two listings of igneous rocks (granite, anorthosites, syenites, gabbro) one by type of rock and the other alphabetical by pluton name.

(7) description & features

Data Base established in conjunction with Atomic Energy ofCanada research on waste management disposal sites. Each pluton referenced according to source; 1:1,000,000 map produced showing location and shape of each pluton. All information available in GSC paper 80-23 and map 1533A.

(8) geographical identifications

24 regions within province of Ontario at 1:250,000 scale

(9) storage medium:

electronic
key punch cards
magnetic tape

hard copy
index cards
maps/overlays

(10) spatial character:

point

(11) scale of maps:
1:250,000 & 1:1,000,000

(12) origin of data:

Published maps and reports of GSC and Ontario Ministry of Natural Resources personal communication with other geologists presently active in Ontario.

(13) contacts:

Glen McCrank or Peter Brown
Geological Survey of Canada
401 Lebreton Street, Rm. 227
Ottawa, Ontario
(613) 593-6075
593-6103

FILE NUMBER EMR 2/2-1

NATIONAL GEOCHEMICAL RECONNAISSANCE, URANIUM RECONNAISSANCE PROGRAM

(1) agency name:

Resource Geophysics and Geochemistry Div.
Geological Survey of Canada
Energy Mines and Resources

(2) date: Initiated 1974

(3) periodicity: ongoing project

(4) area: various

(5) file size: 59 files averaging 250,000 characters each

(6) Keywords: (subject and variables)
Stream Sediments - Stream Waters - Lake Sediments - Lake Waters
Chemical Analysis - Trace Elements (see list under description and features)

(7) description & features
Geochemical analysis of sediments and waters from lake and streams released as open files on maps and magnetic tapes for use by the public. Each file covers on the average 4,000 square miles at a sample density of 1 sample per 5 square miles. Sediments are analyzed for U, Zn, Cu, Pb, Ni, Mn, Co, Fe, and Mo for all files and Hg, Ag, As, V, F, W, Sn and Ba for some files. When collected, waters are analyzed for one or more of U, F, and pH.

(8) geographical identifications

Sample locations recorded in UTM coordinates

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:

point

(11) scale of maps:
1:250,000 and 1:2,000,000

(12) origin of data:
By contract and in-house field surveys under the auspices of the URANIUM RECONNAISSANCE PROGRAM and Provincial Geochemical Surveys

(13) contacts:

David Ellwood
Geological Survey of Canada
Resource Geophysics & Geochemistry Div.
601 Booth Street KlA 0E8
995-4950

FILE NUMBER EMR 2/3-1

GEOSCAN

(1) agency name:

Canada Centre for Geoscience Data
Geological Survey of Canada
Energy, Mines and Resources

(2) date: 1969 created

(3) periodicity: updated three times per year

(4) area: Canada and offshore regions

(5) file size: 64,626 bibliographic records

(6) Keywords: (subject and variables)

Solid-earth sciences, including geology, geophysics, and geochemistry (including non-renewable energy and mineral resources) for the Can. landmass and its offshore regions.

(7) description & features

The national bibliographic database for geology; previously named Canadian Index to Geoscience Data. Includes unpublished (67%) and published (33%) documents produced or held by provincial (7) and federal (4) agencies from 1845 to date.

(8) geographical identifications

1. NTS (National Topographic System) units.
2. Province or Territory

(9) storage medium:

electronic	hard copy
magnetic tape hard disc searchable on-line	microfiche indexes

(10) spatial character:

(11) scale of maps:
N.A.

(12) origin of data:

Federal and provincial geoscience agencies in Canada

(13) contacts:
Mr. David S. Reade
Manager, GEOSCAN
Canada Centre for Geoscience Data
580 Booth Street
Ottawa, Ontario K1A 0E4
992-9550

FILE NUMBER EMR 2/4-1

CANMINDEX MINERAL DATA BANK

(1) agency name:

Economic Ecology Division
Geological Survey of Canada
Energy Mines and Resources

(2) date: 1978

(3) periodicity: on-going

(4) area: Canada

(5) file size: 20,000 records

(6) Keywords: (subject and variables)

Geology: Economic, Mineral, Deposit

(7) description & features

Basic information and data on selected mineral deposits in Canada.
Public accessible.

(8) geographical identifications

Easting and Northing, Lat and Long

(9) storage medium:

electronic	**hard copy**
magnetic tape hard disc	maps/overlays

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

NMI and Provincial Governments

(13) contacts:

Dave Garson
Economic Geology Division
Geological Survey of Canada
Energy Mines and Resources
601 Booth Street - Room 652
Ottawa, Ontario KlA 0E8
(613) 996-3399

FILE NUMBER EMR 3/1-1

MAGNETIC FIELD SURVEY DATA (SOURCE FILE)

(1) agency name:

Division of Geomagnetism
Earth Physics Branch
Energy, Mines and Resources

(2) date: 1900 to present

(3) periodicity:

(4) area: Canada and adjacent areas

(5) file size: 57,000 records

(6) Keywords: (subject and variables)

- (Geo) magnetic observations, magnetic repeat stations
- observatory annual means
- secular variation

(7) description & features File contains approximately 100,000 component-observations made by land, sea and air, over Canada and adjacent areas since 1900. Included are EPB high-altitude airborne surveys across the North Atlantic to Europe in 1954 and 1960, a Pacific Ocean reconnaissance survey of 1958, and a detailed magnetic survey of the Nordic countries, Iceland, Greenland and the Norwegian Sea in 1965. Observatory annual mean values and repeat station observations (observations repeated at or near the exact point of earlier observations) are included in this file. At most of these locations three magnetic elements were observed: declination (D), horizontal intensity (H) and vertical intensity (Z), or declination, inclination (I) and total intensity (F), or declination, inclination and horizontal intensity. These data are a principal data source for tracking the long period changes in the direction and intensity of the earth's magnetic field. Also contains other types of magnetic data such as low-altitude airborne and shiptowed magnetic measurements by the GSC.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
magnetic tape	

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

(13) contacts:

Ed Dawson
Geomagnetic Charts and Interpretation
Division of Geomagnetism
Earth Physics Branch, EMR
1 Observatory Cres
Ottawa, Ontario K1A 0Y3
995-5493

FILE NUMBER EMR 3/1-2

MAGNETIC DECLINATION FILE

(1) agency name:

Division of Geomagnetism
Earth Physics Branch
Energy, Mines and Resources

(2) date: 1980

(3) periodicity:

(4) area: Canada

(5) file size: 4,000 points

(6) Keywords: (subject and variables)

- Magnetic Declination, Compass Variation
- Annual Change

(7) description & features

The file contains values of magnetic declination and annual change for 1980 at 1° intervals of latitude and longitude between 43° and 85°N, and 48° and 148°W. The file is used to provide interpolated values of declination and annual change for specified points in Canada.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
hard disc	maps

(10) spatial character:
point

(11) scale of maps:
1:10,000,000

(12) origin of data:

(13) contacts:

Ed. Dawson
Geomagnetic Charts and Interpretation
Division of Geomagnetism
Earth Physics Branch, EMR
1 Observatory Cres
Ottawa, Ontario K1A 0Y3

FILE NUMBER EMR 3/1-3

CANADIAN MAGNETIC OBSERVATORY DATA

(1) agency name:

Division of Geomagnetism
Earth Physics Branch
Energy, Mines and Resources

(2) date: Various

(3) periodicity: Yearly

(4) area: Canada

(5) file size: 3×10^9 BCD characters

(6) Keywords: (subject and variables)

(Geo) magnetic observatories, (Geo)magnetic variations
(Geo) magnetic storms, (Geo)magnetic activity

(7) description & features The data base contains some 30 magnetic tapes consisting of information on the temporal variation of the geomagnetic field at certain locations in Canada. The earlier information is in the form of analog records (microfil) and hourly mean values of the magentic components. Recently with the introduction of digital equipment, the data consists mainly of one-minute samples of the geomagnetic fields. Summaries of the data are contained in annual reports.

(8) geographical identifications

(9) storage medium:

electronic
magnetic tape

hard copy
- annual report
- microfilm of records

(10) spatial character:
point

(11) scale of maps:

(12) origin of data:

Automated recording devices serviced by contractors

(13) contacts:

G. Jansen van Beek
Manager
Canadian Magnetic Observatory Network
Division of Geomagnetism
Earth Physics Branch
Energy Mines and Resources
1 Observatory Crescent
Ottawa, Ontario KIA 0Y3
995-5554

FILE NUMBER EMR 3/1-4

CANADIAN AEROMAGNETIC THREE-COMPONENT HALF-MINUTE AVERAGES

(1) agency name:

Division of Geomagnetism
Earth Physics Branch
Energy Mines and Resources Canada

(2) date: 1965, 1969, 1970, 1972, 1974, 1976

(3) periodicity: approx. 6 weeks survey in each of above years

(4) area: Canada and offshore

(5) file size: 114,00 records, or 2,964,000 binary words

(6) Keywords: (subject and variables)

Aeromagnetic, Three-component, half-minute averages

(7) description & features

Averages of geomagnetic field components over 30 seconds of time, or approximately 3.5 km of flight track. Flight altitudes generally ranged from 3 to 5 km. Data were corrected for calibration errors and aircraft fields.

(8) geographical identifications

Canada and off-shore Greenland, Greenland and Norwegian Seas, Norway, Denmark, Sweden, Finland, and Iceland.

(9) storage medium:

electronic
mgnetic tape

hard copy
maps

(10) spatial character:

point

(11) scale of maps:

1:5,000,000

(12) origin of data:

Aeromagnetic surveys.
Data originally taken every three seconds.

(13) contacts:

G.V. Haines
Division of Geomagnetism
Earth Physics Branch
1 Observatory Crescent
Ottawa, Ontario KIA OY3
995-5582

FILE NUMBER EMR 3/1-5

HUDSON BAY SHIPBORNE TOTAL FIELD 5- MINUTE AVERAGES

(1) agency name:

Division of Geomagnetism
Earth Physics Branch
Energy Mines and Resources Canada

(2) date: 1975, 1976, 1977, 1978

(3) periodicity: 2 month survey in each of above years

(4) area: Hudson Bay

(5) file size: 37,000 records, or 1,782,000 binary words

(6) Keywords: (subject and variables)

Shipborne, Magnetic, Total-field, Five-minute averages.

(7) description & features

Averages of geomagnetic total intensity, over 5 minutes of time or approximately 1.4 km of ship track. Data were corrected for secular change to epoch 1975.0, and for diurnal and transient variations.

(8) geographical identifications

Hudson Bay.

(9) storage medium:

electronic	**hard copy**
magnetic tape	maps

(10) spatial character:

point

(11) scale of maps:

1:2,000,000

(12) origin of data:

Shipborne survey. Data originally taken every 10 seconds.

(13) contacts:

G.V. Haines
Division of Geomagnetism
Earth Physics Branch
1 Observatory Crescent
Ottawa, Ont K1A 0Y3
995-5582

FILE NUMBER EMR 3/2-1

HISTORICAL EARTHQUAKE FILE

(1) agency name:

Division of Seismology & Geothermal Studies
Earth Physics Branch
Energy Mines and Resources

(2) date: 1800 (approx) to present

(3) periodicity: updated annually

(4) area: Canada

(5) file size: approx. 10,000

(6) Keywords: (subject and variables)

Earthquake, region, magnitude, time period

(7) description & features

On-line disc for division use. Public access on cost recovery basis. Information retrievable various forms including, lists, maps. *Canadian seismological ground motion data and information; seismic risk in Canada.

*All known Canadian Earthquake locations and magnitudes.

(8) geographical identifications

Earthquakes in Canada

(9) storage medium:

electronic	hard copy
magnetic tape floppy disc	

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

(13) contacts:

P.W. Basham
Head, Seismicity, Seismic Hazards and Applications
Division of Seismology & Geothermal Studies
Earth Physics Branch, Energy Mines and Resources
1 Observatory Crescent
Ottawa, Ontario K1A 0Y3
995-5548

FILE NUMBER EMR 3/2-2

ANALOGUE SEISMOGRAMS

(1) agency name:

Division of Seismology & Geothermal Studies
Earth Physics Branch
Energy Mines and Resources

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

Seismic ground motion

(7) description & features

Seismograms produced by 50 Canadian stations (not automated) archived and some stations microfilmed in Ottawa.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
micro-film archive	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

P.W. Basham
Head, Seismicity, Seismic Hazards & Applications
Division of Seismology & Geothermal Studies
Earth Physics Branch, Energy Mines & Resources
1 Observatory Crescent
Ottawa, Ontario KIA OY3
995-5548

FILE NUMBER EMR 3/2-3

DIGITAL SEISMIC STATION DATA

(1) agency name:

Division of Seismology & Geothermal Studies
Earth Physics Branch
Energy Mines and Resources

(2) date: approx. 1960 commencement

(3) periodicity: partial daily

(4) area: Canada

(5) file size: N/A

(6) Keywords: (subject and variables)

(7) description & features

Data archived for all digital seismic stations (approx 20) currently operating in Canada.

(8) geographical identifications

Seismic ground motion

(9) storage medium:

electronic	hard copy
on-line for stations with capacity	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

P.W. Bashm
Head, Seismicity, Seismic Hazards & Applications
Division of Seismology & Geothermal Studies
Earth Physics Branch
Energy Mines and Resources
1 Observatory Crescent
Ottawa, Ontario KIA 0Y3
995-5548

FILE NUMBER EMR 3/3-1

NATIONAL GRAVITY DATA BASE

(1) agency name:

Earth Physics Branch
Energy Mines and Resources

(2) date: 1960

(3) periodicity: updated weekly

(4) area: Canada

(5) file size: #'s 1,2,3,5 = disc SK2 system, #4 binory file on tape

(6) Keywords: (subject and variables)

Source data base; station and gravity anomoly data

(7) description & features

National Gravity Data Base umbrella term for 5 data bases. 1. measurements of gravity anomalies over the earth's sfc. 2. gravity reference stations. 3. gravity meter calibration data. 4. national gravity net control measurements. 5. digital terrain fl. Canada public on-line access not available.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
magnetic tape floppy disc	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Ken McConnell
Gravity & Geodynamics Division
Earth Physics Branch
Energy Mines and Resources
1 Observatory Crescent
Ottawa, Ontario K1A 0Y3
995-5326

FILE NUMBER EMR 4/1-1

NATIONAL MINERAL INVENTORY (NMI)

(1) agency name:

Mineral Supply Branch
Mineral Policy Sector
Energy Mines and Resources

(2) date: 1959 (intermittent since pre-1900)

(3) periodicity: ongoing update

(4) area: Canada

(5) file size: 19,000 + records with variables

(6) Keywords: (subject and variables)

Mineral occurrences, name of property, owner; location; geological and economical characteristics; exploration history, development and production; bibliography.

(7) description & features

Narrative-form summaries, under several headings, describes individual mineral occurrences or properties. Typed on 8½ x 11 cards. Filed by commodity and province or territory.

(8) geographical identifications

NTS grid map reference, lats and long, UTM, province, territory, administrative unit, lot and range.

(9) storage medium:

electronic

hard copy

index cards

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Various:
published and unpublished

(13) contacts:

A.G. Sozanski
National Mineral Inventory
Energy Mines and Resources
Sir William Logan Building
580 Booth St., 6th Floor
Ottawa, Ontario K1A 0E4
995-9466

FILE NUMBER EMR 4/1-2

MINSYS (based on NMI)

(1) agency name:

Mineral Supply Branch
Mineral Policy Sector
Energy Mines and Resources

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)
Deposit/occurance name; other name; holder; Discovery; year and method; Location: province, geo-province, age, lat & long, NTS. Production years; Administrative unit; commodity and status; geophysical and geochemical work; drill; workings (types size) Deposits; canmindex number.

(7) description & features

An electronic storage system of keyworded data extracted from the National Mineral Inventory (EMR 4/1-1). Is sortable into various table and index printouts. Has occurance location plotting capability.

(8) geographical identifications

NTS grid map reference, lat & long, UTM, province, territory, administrative unit.

(9) storage medium:
electronic

hard disc

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

(13) contacts:
A.G. Sozanski
National Mineral Inventory
Energy Mines & Resources
Sir William Logan Building
580 Booth St., 6th Floor
Ottawa, Ontario KlA 0E7
995-9466

FILE NUMBER EMR 5/1-1

RESORS (REMOTE SENSING ON-LINE RETRIEVAL SYSTEM)

- BIBLIOGRAPHIC -

(1) agency name:

Canada Centre for Remote Sensing
Energy Mines and Resources

(2) date: originated 1972

(3) periodicity: input monthly basis

(4) area:

(5) file size: 28,000 documents, 3,200 slides

(6) Keywords: (subject and variables)

Author, title, publisher, author affiliation, publication date, source citation, citation, keywords and subject category code.

(7) description & features

Bibliographic data base with information pertaining to remote sensing. Multi-disciplinary system including land use, agriculture and hydrology related info. searchable index to 35mm. slide collection also maintained.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
magnetic tape	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Lydia Taylor
Data Applicattions Division
Canada Centre for Remote Sensing
717 Belfast Road
Ottawa, Ontario K1A 0Y7
995-1210

FILE NUMBER EMR 6/1-1

ENERGY PROJECTS ENG

- BIBLIOGRAPHIC -

(1) agency name:

Canada and Provincial Energy Projects
Energy Sector
Energy Mines and Resources

(2) date: October 1979

(3) periodicity: as required

(4) area: Canada

(5) file size: 846

(6) Keywords: (subject and variables)

Project description, funding, costs to federal government project management, cost to Province, abstract, reference, jurisdiction.

(7) description & features

Descriptions of significant ongoing energy research and development projects in Canada. Information covers latest three years, QL/Search - interactive on-line.

(8) geographical identifications

Full address

(9) storage medium:

electronic

magnetic tape

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

In-house EMR

(13) contacts:

Suzan O'Connor
Energy Co-ordinator
QL Systems Ltd
1018 - 112 Kent St.
Ottawa, Ontario
238-3499

FILE NUMBER EMR 7/1-1

PITSLOPE PROJECT: RECLAMATION OF MINE WASTES BY VEGETATION

(1) agency name:

Mining Research Laboratories
Canada Centre for Mineral & Energy Technology
Energy Mines and Resources

(2) date: 1974-75

(3) periodicity: Once only

(4) area: Mining areas in Canada

(5) file size: 2 texts (approx. 300 pages in total)

(6) Keywords: (subject and variables)

Chemical, physical characteristics, mine tailings, establishing plant cover on waste materials, location, area and degree of vegetation cover.

(7) description & features

An update of topographic maps of mine waste area related to their size and vegetative cover. Case studies and site examinations of a number of these sites investigating the growth conditions and major growth problems with wastes stabilization by vegetation. Covers major producing mines up to 1974.

(8) geographical identifications

Overlays of existing topographic maps with their GSC map reference number indicated.

(9) storage medium:

electronic	hard copy
	charts/graphs maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps:
1:50,000

(12) origin of data:

Field Survey Contracts
Satellite Imagery
In-House Study

(13) contacts:

Mr. David R. Murray
Elliot Lake Laboratory
P.O. Box 100
Elliot Lake, Ontario
P5A 2J6
(705) 848-2236

FILE NUMBER EMR 7/2-1

MINERAL PROCESSING - MINPROC

- BIBLIOGRAPHIC -

(1) agency name:

Technology Information Division
Canada Centre for mineral and Energy
Technology
Science and Technology
Energy Mines and Resources

(2) date: initiated 1967

(3) periodicity: updated monthly

(4) area: Canada

(5) file size: 5,000

(6) Keywords: (subject and variables)

Mineral processing and technology - author, title, abstract, keywords, accession number

(7) description & features

Bibliographic data base on mineral processing and technology in Canada

(8) geographical identifications

(9) storage medium:

electronic

floppy disc

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dr. P.G. Sutterlin
Head, Technical Enquiries
Technology Information Division
Canada Centre for Mineral and Energy
Technology
555 Booth St., Rm 346 (2nd Floor)
Ottawa, Ontario K1A 0G1
995-4029

FILE NUMBER EMR 7/2-2

MINTEX (ACCESSED BY QL)

(1) agency name:

Technology Information Division
Canada Centre for Mineral and Eenrgy Technology
Science and Technology
Energy Mines and Resources

(2) date: initiated 1967

(3) periodicity: updated monthly

(4) area:

(5) file size: 21,000

(6) Keywords: (subject and variables)
Mining technology (surface and underground) accession number, author, title, abstract, keywords, citations.

(7) description & features

Bibliographic data base with public on-line access. References on mining technology and related topics relevant to Canada.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
floppy disc	

(10) spatial character:

(11) scale of maps:
Canada

(12) origin of data:

(13) contacts:

Dr. P.G. Sutterlin
Head, Technical Enquiries
Technology Information Division
Canada Centre for Mineral and Energy Technology
555 Booth St., Rm 346 (2nd Floor)
Ottawa, Ontario K1A 0G1
995-4029

FILE NUMBER EMR 7/2-3

COAL DATA BASE - COAL

- BIBLIOGRAPHIC -

(1) agency name:
1) International Energy Agency
2) Canada Centre for Mineral and Energy Technology (CanMET)
3) Canadian Institute for Scientific and Technical Information (CISTI)

(2) date: available April 1981
initiated 1977

(3) periodicity: updated monthly

(4) area: World

(5) file size: 25,000

(6) Keywords: (subject and variables)

Coal economics, coal policy and management, coal reserves and exploration, coal mining, coalpreparation, coal transport and handling, coal combustion, coal conversion, environmental effects.

(7) description & features

Bibliographic data base on coal science and technology.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
magnetic tape on-line at CISTI through CAN/OLE	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Ms. B.E. Lawton, P.Eng.,
Technology Information Division
CANMET
555 Booth Street, Room 348
Ottawa, Ontario K1A 0G1
995-4029

FILE NUMBER EC 1/1-1

AUTOMATED HYDROMETRIC DATA SYSTEM

(1) agency name:

Water Resources Branch
Inland Waters Directorate
Environment Canada

(2) date: 1908

(3) periodicity: annual

(4) area: Canada

(5) file size:

(6) Keywords: (subject and variables)
streamflow, water level and sediment data measured values and sample statistics such as monthly and annual means and monthly annual and long term extremes

(7) description & features

The system maintains both measured values and sample statistics such as monthly and annual means and highs and lows.

(8) geographical identifications

(9) storage medium:
electronic
hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

(13) contacts:

Head
Water Survey of Canada Data Control Section
Water Resources Branch
8th Floor, PVM
(819) 997-2098

FILE NUMBER EC 1/1-2

WATER SURVEY OF CANADA DATA BANKS

(1) agency name:

Water Resources Branch
Inland Waters Directorate
Environment Canada

(2) date: 1908

(3) periodicity: annual

(4) area: Canada

(5) file size: 9 files

(6) Keywords: (subject and variables)

File names: HYDEX - descriptive info., station name, drainage area, lat., long., period of record, natural or rgulated flow; FLOW - daily discharge data; LEVELS - daily water level data for selected stations; PEAKS - maximum instantaneous discharges and water levels for the period of record for all stations, SUSCON - historical daily suspended sediment concentrations; TEMPERATURES - historical daily water temperatures; BEDLOAD - historical monthly sediment totals; PARTSIZE - particle size distribution of various types of sediment samples; SEDEX - descriptive sediment info. The following data publications are distributed regularly: 1) Surface Water Data Reference Index; 2) Surface Water Data; 3) Historical Waterlevels Summary; 5) Sediment Data Reference Index; 6) Sediment Data for Canadian Rivers; 7) Historical Sediment Data Summary.

(7) description and features

hydrometric and sediment surveys - 6050 gauging stations

(8) geographical identifications

(9) storage medium:

electronic	hard copy
magnetic tape	publications

(10) spatial character:

point, areal

(11) scale of maps:

(12) origin of data:

Water Survey of Canada
Provincial Agencies
Other contributing Agencies

(13) contacts:

Head
Data Control Section
Water Survey of Canada
Water Resources Branch
(819) 997-2098

FILE NUMBER EC 1/1-3

WATER QUANTITY SURVEYS

(1) agency name:
Water Resources Branch
Inland Waters Directorate
Environment Canada

(2) date: ongoing daily data

(3) periodicity:

(4) area: Manitoba - N.W. Ontario

(5) file size:

(6) Keywords: (subject and variables)
Daily discharges, water levels, sediment concentrations

(7) description & features
Contains streamflow, water level and sediment transport data from selected station sites in the Winnipeg District. The data is required for design and development of water resources projects.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
key punch cards	tables
magnetic tape	charts/graphs

(10) spatial character:

(11) scale of maps:

(12) origin of data:
Field surveys, office computations

(13) contacts:

Regional Chief
Water Resources Branch
521 - 269 Main St.
Winnipeg, Manitoba
R3C 1B2

FILE NUMBER EC 1/2-1

NAQUADAT
Ottawa River Water Quality Data Base

(1) agency name:
Water Quality Branch
Inland Waters Directorate
Environment Canada

(2) date: 1962-1978

(3) periodicity: Variable

(4) area: Ottawa River Basin
146,334 km^2

(5) file size: 1800 samples

(6) Keywords: (subject and variables)
A water quality data base composed of parameters including: physical values, nutrients, metals, major ions and other organic and inorganic constituents. In addition OME nutrient data has also been added.

(7) description & features
The data was collectd to provide baseline information and to detect and interpret trends. This information has been studied intensively by various task forces and most recently in response to the requirements of the federal/provincial technical working group on water quality in the Ottawa river.

(8) geographical identifications

Stations are identified on the data base by latitudes and longitudes as well as descriptive narratives.

(9) storage medium:
electronic

hard disc

hard copy

(10) spatial character:
semi-spatial

(11) scale of maps:

(12) origin of data:
Water Quality Branch
Baseline Monitoring and Special Studies
Acquisition of Data from Provincial Source

(13) contacts:
E.R. Watt
Monitoring and Surveys Division
Water Quality Branch
Ottawa, Ontario
K1A 0E7
(819) 997-3422

FILE NUMBER EC 1/2-2

NAQUADAT NATIONAL WATER QUALITY DATA BANK

(1) agency name:
Water Quality Branch
Inland Waters Directorate
Environment Canada

(2) date: 1960 - present

(3) periodicity: 2 weeks

(4) area: National

(5) file size: (1960-present) data file=450,000 records, Station file= 11,000 records (4,000 stations)

(6) Keywords: (subject and variables)
Water quality analyses (chemical, physical or biological). Surface waters, ground waters, waste water and sediments, precipitation.

(7) description & features

Contains data required for planning water use and water quality objectives. Storage, retrieving and reporting of water quality data retrievals, summaries, plots, published reports, statistics, calculations, maps

3 files: Datafile - stores analystical results
Stationfile - sampling locations and coordinates
Dictionary file - methods and parameters

Interactive version under system 2000 implemented in 1981

(8) geographical identifications

Water survey of Canada basin/subbasin codes
Latitude/longitude of sampling locations
Narrative descriptions

(9) storage medium:
electronic
magnetic tape
hard disc
terminal access
at HQ office

hard copy

(10) spatial character:
semi-spatial
point

(11) scale of maps:

(12) origin of data:
WQB sampling programs
- Provincial and Municipal data from selected areas

(13) contacts:
S. Whitlow
Head, Data & Instrumentation Section
Monitoring and Surveys Division
Water Quality Branch
Inland Waters Directorate
Place Vincent Massey
Ottawa, Ont. K1A 0E7
(819) 997-3422

FILE NUMBER EC 1/3-1

HYDROLOGIC STUDIES: MACKENZIE DELTA REGION

(1) agency name:
National Hydrology Research Institute
Inland Waters Directorate
Environment Canada

(2) date: 1975

(3) periodicity: annual

(4) area: taiga and tundra, Inuvik Tuktoyaktuk region, N.W.T.

(5) file size:

(6) Keywords: (subject and variables)
Snow cover, precipitation, runoff, river ice conditions

(7) description & features

Data relevant to water supply and engineering concerns

(8) geographical identifications

(9) storage medium:
electronic

hard copy
tables
charts/graphs
reports

(10) spatial character:

semi-spatial

(11) scale of maps:

(12) origin of data:

Field surveys

(13) contacts:

John C. Anderson
Northern Hydrology Section
Surface Water Division
N.H.R.I., Environment Canada
Ottawa, Ontario
K1A 0E7
(819) 997-2385

FILE NUMBER EC 1/3-2

GLACIER INVENTORY OF CANADA

(1) agency name:
National Hydrology Institute
Inland Waters Directorate
Environment Canada

(2) date: 1965

(3) periodicity: Continuing

(4) area: Glacierized area of Canada

(5) file size: 18 Progress Reports

(6) Keywords: (subject and variables)
data collection, inventory, perennial ice, snow masses, land surface, measurements, climatic data, glaciers

(7) description & features
As part of international inventory it adheres to UNESCO recommendations by retaining UNESCO format. A fourth card is added however. It contains a narrative description of glacier, unusual features, name, work summarizing code, photographic record, surge and ogive indicators, moraine types and number of damned lakes. This card is retained as part of the national inventory only.

(8) geographical identifications

Geographical and U.T.M. coordinates

(9) storage medium:
electronic
key punch cards
magnetic tape
hard copy
maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps:
Index 1:500,000
Work 1:50,000

(12) origin of data:

Air photo and map interpretation, literature searches

(13) contacts:
C. Simon L. Ommanney, A/Chief
Snow and Ice Division
National Hydrology Research Inst
Environment Canada
Ottawa, Ontario
K1A OE7
(819) 997-2476

FILE NUMBER EC 1/3-3

LIARD BASIN SPRING FLOOD STUDY

(1) agency name:
National Hydrology Research Institute
Inland Waters Directorate
Environment Canada

(2) date: 1978

(3) periodicity: annual to 1980

(4) area: Liard River Basin

(5) file size:

(6) Keywords: (subject and variables)

River ice break-up, ice jamming, suspended sediment, hydrometeorology

(7) description & features
Data relate to river ice and suspended sediment conditions during spring break-up on Fort Nelson and Liard Rivers.

(8) geographical identifications

(9) storage medium:
electronic

hard copy
tables
charts/graphs
maps/overlays
reports

(10) spatial character:

semi-spatial

(11) scale of maps:

(12) origin of data:

Field Surveys

(13) contacts:
John C. Anderson
Surface Water Division
N.H.R.I.
Environment Canada
Ottawa, Ontario
K1A 0E7

FILE NUMBER EC 1/4-1

CANADIAN ENVIRONMENT (CENV)

-BIBLIOGRAPHIC-

(1) agency name:
WATDOC
Inland Waters Directorate
Environment Conservation Service
Environment Canada

(2) date: initiated in 1972, references from 1970.

(3) periodicity: approximately 500 new references monthly.

(4) area: Canada

(5) file size: 44,734 document references.

(6) Keywords: (subject and variables)
water, water conservation, control, management, land, wildlife, pollution, flooding, environment, ecology.

(7) description & features
Database provides full bibliographic citations, keywords and abstracts of Canadian water and environmentally related scientific and technical publications, publicly on-line in Canada and abroad.

(8) geographical identifications
Some references have longitude and latitude of point(s) or area(s), place-names.

(9) storage medium:

electronic	hard copy
magnetic tape disc	

(10) spatial character:

(11) scale of maps:

(12) origin of data:
DOE Libraries, publishers, provinces, consultants, etc.

(13) contacts:
Evangeline Campbell, Manager
WATDOC
Environment Canada
Ottawa, Ontario
K1A OE7
(819) 997-2324

FILE NUMBER EC 1/4-2

ENVIRONNEMENT (ENV)

-BIBLIOGRAPHIC-

(1) agency name:

WATDOC
Inland Waters Directorate
Environmental Conservation Service
Environment Canada

(2) date: initiated in 1979, references from 1971.

(3) periodicity: approx. 300 new references monthly.

(4) area: Canada

(5) file size: 2,073 document references.

(6) Keywords: (subject and variables)
environment, water, ecology, foresty, wildlife, air, land use, pollution

(7) description & features
French language database provides full bibliographic citations, keywords and abstracts of Canadian environmentally related scientific and technical publications publicly on line in Canada and abroad.

(8) geographical identifications

Latitude, longitude of point(s) or area(s), place-names, National Topographical System (NTS) map numbers.

(9) storage medium:
electronic
magnetic tape
disc

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:
Departmental and provincial libraries.

(13) contacts:
Pierre Durocher
WATDOC
Environment Canada
Ottawa, Ontario
K1A 0E7
(819) 997-1238

FILE NUMBER EC 1/4-3

DATA REFERENCE (DREF)

(1) agency name:

WATDOC
Inland Waters Directorate
Environmental Conservation Service
Environment Canada

(2) date: initiated in 1976, references from 1975.

(3) periodicity: semi-annual

(4) area: Canada

(5) file size: 855 references

(6) Keywords: (subject and variables)

water resources, lands, forestry, wildlife, data holdings and series, environment

(7) description & features

Cooperatively produced database, detailed references to collection of water resources and environmental data collected and held in Canada. References accessed via keyword geographical indexes and other on-line searching includes item, number, abstract, language, type of item

(8) geographical identifications

Latitude, longitude for point(s) and area(s), place-names, Water Survey of Canada River codes.

(9) storage medium:

electronic magnetic tape disc	hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Evangeline Campbell, Manager
WATDOC
Environment Canada
Ottawa, Ontario
K1A 0E7
(819) 997-2324

FILE NUMBER EC 1/4-4

SOLID WASTE MANAGEMENT (SOL)

(1) agency name:
WATDOC
Inland Waters Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1970 data time range

(3) periodicity: updated annually

(4) area: Canada

(5) file size: 213 references

(6) Keywords: (subject and variables)

solid wastes, management, pollution, environment, project location, funding source, mechanical engineering

(7) description & features

Place-names.

(8) geographical identifications

(9) storage medium:

electronic	**hard copy**
magnetic tape disc	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Waste Management Branch
Environmental Impact Control
Directorage
Environmental Protectin Service
(V. Niemela)

(13) contacts:

Evangeline Campbell, Manager
WATDOC
Environment Canada
Ottawa, Ontario
K1A 0E7
(819) 997-2324

FILE NUMBER EC 1/5-1

STAR

(1) agency name:
Inland Waters Directorate
National Water Research Institute
Environment Canada

(2) date: 1969

(3) periodicity: as received

(4) area: Great Lakes

(5) file size: 1.6 million data values

(6) Keywords: (subject and variables)

Station information, time of data collection, depth, chemical parameters

(7) description & features

Water quality data on Great Lakes; numeric data base data collected by departmental ships. Data dates back to 1965.

(8) geographical identifications

Latitude and longitude

(9) storage medium:

electronic	hard copy
magnetic tape interactive on-line	produce printed report

(10) spatial character:

point

(11) scale of maps:
Canada

(12) origin of data:

Departmental Ship collection

(13) contacts:
R. Duffield, Data Base Administrator
Data Management Section
National Water Research Institute
Environment Canada
Box 5050
Burlington, Ontario
(416) 637-4324

FILE NUMBER EC 1/5-2

GLOWDAT

(1) agency name:

National Water Research Institute
Inland Waters Directorate
Environment Canada

(2) date: Jan. 1979 initiated

(3) periodicity: update as info. received

(4) area: world

(5) file size: 5,000 data points

(6) Keywords: (subject and variables)
Includes station location, description, time parameter codes.

(7) description & features

Numeric data base currently under development.
Water quality data from world-wide stations covering freshwater standards and chemical parameters.

(8) geographical identifications

Latitude, longitude and octant.

(9) storage medium:

electronic	hard copy
interactive on-line	produce printed report

(10) spatial character:

point

(11) scale of maps:
World-wide

(12) origin of data:
World Health organization
GEMS/Water project

(13) contacts:
R. Duffield, Database Administrator
Data Management Section
National Water Research Insitute
Environment Canada
Box 5050
Burlington, Ontario
(416) 637-4324

FILE NUMBER EC 2/1-1

BREEDING BIRDS SURVEY

(1) agency name:

Migratory Bird Branch
Canadian Wildlife Service
Environment Canada

(2) date: 1966 - ongoing

(3) periodicity: annual

(4) area: Canada

(5) file size: 1,000 items annually

(6) Keywords: (subject and variables)

Breeding birds, population trends by species, primarily passerines.

(7) description & features

Manual methods, ground survey involving 300 straight line transects, each with 50 points within 25 miles.

(8) geographical identifications

Degree block, province, region

(9) storage medium:

electronic	hard copy
magnetic tape	tables

(10) spatial character:

semi-spatial

(11) scale of maps:

(12) origin of data:

Cooperative breeding bird survey

(13) contacts:

Steve Wendt
CWS, Environment Canada
Migratory Birds Branch
351 St. Joseph Blvd
Hull, Quebec K1A 0E7
(819) 997-1121

FILE NUMBER EC 2/1-2

NATIONAL HARVEST SURVEY AND SPECIES COMPOSITION SURVEY AND SALES OF HUNTING PERMITS

(1) agency name:

Migratory Bird Branch
Canadian Wildlife Service
Environment Canada

(2) date: 1966 - ongoing

(3) periodicity: annually

(4) area: Canada

(5) file size: Annually 500,000 permit sales and 60,000 survey responses

(6) Keywords: (subject and variables)

Migratory bird hunting permit sales. Kill estimates by species.

(7) description & features

Statistical summary by geographical region. Maps showing average kill for waterfowl species. Individual survey responses.

(8) geographical identifications

Latitude and longitude, provinces, other zonings as required

(9) storage medium:

electronic	hard copy
magnetic tape	tables maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps:
1:7½ million

(12) origin of data:

Complete collection of permit sale data. Surveys by questionnaire for kill estimates.

(13) contacts:

Steve Wendt
Migratory Bird Branch
CWS, Environment Canada
351 St. Joseph Blvd
Hull, Quebec K1A 0E7
(819) 997-1121

FILE NUMBER EC 2/1-3

AERIAL BIRD COUNTS OF MIGRATORY AND BREEDING BIRDS AND WATERFOWL PRODUCTION

(1) agency name:

Migratory Bird Branch
Canadian Wildlife Service
Environment Canada

(2) date: 1955 - ongoing

(3) periodicity: annually

(4) area: Man., Sask., Alta., NWT, some forest of Canada

(5) file size:

(6) Keywords: (subject and variables)

Waterfowl - population size by species and size, number of wet ponds, 2,000-18 mile long line segments.

(7) description & features

Estimates of waterfowl populations from aerial surveys in Man., Sask., and Alta.

(8) geographical identifications

Province, region

(9) storage medium:

electronic
manual handling with some machine readable

hard copy
tables

(10) spatial character:

semi-spatial

(11) scale of maps:

(12) origin of data:

Cooperative surveys with U.S. Fish and Wildlife Service

(13) contacts:

Steve Wendt
Migratory Birds Branch
CWS, Environment Canada
351 St. Joseph Blvd.
Hull, Quebec K1A 0E7
(819) 997-1121

FILE NUMBER EC 2/1-4

BIRD BANDING

(1) agency name:

Migratory Bird Branch
Canadian Wildlife Service
Environment Canada

(2) date: 1920's - ongoing

(3) periodicity: annual update of files

(4) area: Canada and U.S.A.

(5) file size: 200,000 per year in Canada

(6) Keywords: (subject and variables)

Bird banding, by species, age, sex, location, and recoveries of bands

(7) description & features

Records of all birds banded on recovered in Canada and U.S.A.

(8) geographical identifications

Provinces or states, ten-minute blocks

(9) storage medium:

electronic

magnetic tape

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

North American bird
banding program

(13) contacts:

Steve Wendt
Migratory Bird Branch
CWS, Environment Canada
351 St. Joseph Blvd.
Hull, Quebec KlA 0E7
(819) 97-1121

FILE NUMBER EC 2/2-1

ARCTIC LAND USE RESEARCH - WILDLIFE AND LAND USE MAPPING

(1) agency name:

Wildlife Research & Interpretation Branch
Canadian Wildlife Service
Environment Canada

(2) date: 1971-72

(3) periodicity: N/A

(4) area: Mackenzie River and Delta, North Yukon

(5) file size:

(6) Keywords: (subject and variables)
Wildlife, birds, ranges, land use, ecology

(7) description & features

Contains Arctic Ecology Map Series (the beginning of Northern Mapping program) and Species Reports especially migratory birds, cariboo, mountain sheep

(8) geographical identifications

NTS

(9) storage medium:

electronic	hard copy
	maps/overlays published maps and reports

(10) spatial character:

areal

(11) scale of maps:
1:250,000

(12) origin of data:
Field work - in house

(13) contacts:

Dr. N.S. Novakowski
Canadian Wildlife Service
Environmental Conservation Service
Environment Canada
Ottawa, Ontario KIA OE7
(819) 997-4991

FILE NUMBER EC 3/1-1

FOREST INSECT AND DISEASE SURVEY (FIDS)

(1) agency name:

Canadian Forestry Service
Research and Technical Services
Environment Canada

(2) date: 1977

(3) periodicity: annual update

(4) area: all Canada by region

(5) file size: 1.3 million records

(6) Keywords: (subject and variables)
Forest insect and disease survey locality (Forest district, or division, or drainage division or political sub-division, or FIDS district), UTM grid, stand (description, history, aspect, maturity, age structure, basal area, forest section, cover or sub-type, dominant species, height of dominant trees), land ownership

(7) description & features
Provides broad annual assessments of forest pests, their movements and general effect on forests in Canada. Results mainly used to develop and conduct programs and research in forest protection. Data is collected by six regional units. Analysis also conducted of back records to obtain understanding of pest outbreaks. Part of CLI, FIS conducted since 1936, diseases recorded since approximately 1950.

(8) geographical identifications

UTM grid, locality (i.e. forest district and drainage division), in some instances plot or sample area number, elevation.

(9) storage medium:

electronic	**hard copy**
magnetic tape	

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Six regional FIDS units

(13) contacts:

A.G. Davidson
Canadian Forestry Service
Research and Technical Services
351 St. Joseph Blvd
Hull, Quebec K1A 0E7
(819) 997-1357

FILE NUMBER EC 3/2-1

CANADIAN FOREST RESOURCE DATA SYSTEM

(1) agency name:

Forestry Statistics & Systems Branch
(FORSTATS)
Canadian Forestry Service
Environment Canada

(2) date: 1981

(3) periodicity: 5 years

(4) area: Canada

(5) file size:

(6) Keywords: (subject and variables)
Forest Inventory: Species, Area, Volumes, Ownership (federal, provincial, private) of lands, Biomass, Forest and Non-forested Land, Water Bodies, River.

(7) description & features An interactive data storage and retrieval system which replaces the manual Canadian Forest Inventory systems of the past. Definitions and groupings of data standardize provincially produced data permitting nation-wide comparative information. It is a detailed and comprehensive compilation of provincial, territorial, and federal forest inventories. System permits remote access and interactive graphic output. Reference units (cells) are townships. Published summary reports and cloropleth maps will continue to be produced.

(8) geographical identifications

Summary units or cells are predominantly townships (referenced by MTR) or map sheets.

(9) storage medium:

electronic	**hard copy**
magnetic tape	tables
hard disc	maps/overlays

(10) spatial character:

areal

(11) scale of maps:
Various

(12) origin of data:

Provincial inventories
Territorial inventories
Federal (CFS) inventories

(13) contacts:

Dr. Mike Bonnor
FORSTATS
Forest Statistics & Systems Branch
Chalk River, Ontario
(613) 589-2880

FILE NUMBER EC 3/2-2

CANADIAN FOREST RESOURCE CHANGE SUMMARIES

(1) agency name:

Forestry Statistics & Systems Branch
(FORSTATS)
Canadian Forestry Service
Environment Canada

(2) date: 1981

(3) periodicity: on-going

(4) area: Canada

(5) file size:

(6) Keywords: (subject and variables)

Silviculture, Pest-, Fire-, and Harvest loss.

(7) description & features

A manual system to maintain data pertaining to the measurement of the growth/depletion of Canadian Forest Resource Base.

(8) geographical identifications

NTS: provinces

(9) storage medium:
electronic

hard copy

tables
maps/overlays

(10) spatial character:
areal

(11) scale of maps:

(12) origin of data:

Provincial and in-house research

(13) contacts:

Dr. Mike Bonnor
FORSTATS
Forest Statistics & Systems Branch
Chalk River, Ontario
K0J 1J0
(613) 589-2880

FILE NUMBER EC 3/2-3

SATELLITE IMAGE ANALYSIS SYSTEM (ARIES)

(1) agency name:

Forestry Statistics & Systems Branch
(FORSTATS)
Canadian Forestry Service
Environment Canada

(2) date:

(3) periodicity:

(4) area: Northern Ontario

(5) file size:

(6) Keywords: (subject and variables)

Surveys, forest, wetlands, logging, biophysical

(7) description & features

Interpretation of digital satellite data to map forests and wetlands and to monitor logging operations in Northern Ontario. Information also supports biophysical surveys of Canada's national parks.

(8) geographical identifications

(9) storage medium:
electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dr. Mike Bonnor
FORSTATS
Forest Statistics and Systems Branch
Chalk River, Ontario
K0J 1J0
(613) 589-2880

FILE NUMBER EC 3/2-4

FIRE MANAGEMENT SYSTEM

(1) agency name:

Forestry Statistics & Systems Branch
(FORSTATS)
Canadian Forestry Service
Environment Canada

(2) date:

(3) periodicity: daily fire occurrence prediction

(4) area: S.W. Quebec

(5) file size:

(6) Keywords: (subject and variables)

Fire growth modelling and resource allocation

(7) description & features

Output consists of tables and graphs up to 20 programs may be run each day at a regional fire control centre.

(8) geographical identifications

(9) storage medium:

electronic	hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dr. Mike Bonnor
FORSTATS
Forest Statistics & Systems Branch
Chalk River, Ontario
KOJ 1J0
(613) 589-2880

FILE NUMBER EC 3/2-5

FIRE WEATHER INDEX SYSTEM

(1) agency name:

FORSTATS
Canadian Forestry Service
Environment Canada

(2) date:

(3) periodicity: information collected and correlated daily

(4) area: SW Quebec, Ontario

(5) file size:

(6) Keywords: (subject and variables)

Climatological data, wind direction and velocity, precipitation, R.H, temperature.

(7) description & features

Data entered into tables or computers where it is correlated to produce indications of likely fire occurrence and behaviour for the current and following day, 6 fire-weather indicies per station.

(8) geographical identifications

(9) storage medium:

electronic	**hard copy**
magnetic tape	tables

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Provincial and federal weather stations, some for fire purposes only

(13) contacts:

Dr. Mike Bonnor
FORSTATS
National Forestry Institute
Chalk River, Ontario
KOJ 1JO
(613) 589-2880

FILE NUMBER EC 3/2-6

SATELLITE FOREST FIRE FUEL MAPPING SYSTEM

(1) agency name:

FORSTATS
Canadian Forestry Service
Environment Canada

(2) date: 1980

(3) periodicity: 5 years

(4) area: SW Quebec

(5) file size:

(6) Keywords: (subject and variables)

Broad forest cover types, logging slash areas, roads, Maps - 1:80,000

(7) description & features

Fire control decision makers are provided with general fuel type information

(8) geographical identifications

(9) storage medium:
electronic
hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dr. Mike Bonnor
FORSTATS
Forest Statistics & Systems Branch
Chalk River, Ontario
KOJ 1JO
(613) 589-2880

FILE NUMBER EC 3/2-7

STRUCTURING OF LAND SYSTEMS WITH THE AID OF THE SYSTEM 2000 + INTEGRATED RESOURCE SURVEY OF NAHANNI NATIONAL PARK

(1) agency name:

FORSTATS
Canadian Forestry Service
Environment Canada

(2) date: 1976

(3) periodicity: N/A

(4) area: Nahanni National Park
Yukon Territory

(5) file size:

(6) Keywords: (subject and variables)

Land systems - aerial photographs, geomorphology mapping, land conditions, bedrock, aspects, elevation, topography, systematic surveys, vegetation, water bodies (limited), forest cover, life zones.

(7) description & features

Manipulation of ecological inventory data by system 2000; gathering, processing, collating, analysis and map presentation of data from resource survey by standard vegetation and land system line maps with ten themes on 500 m cell computer maps.

(8) geographical identifications

Latitude and longitude
500 m UTM grid
NTS: 1:50,000 map sheets

(9) storage medium:

electronic	hard copy
magnetic tape	tables charts/graphs maps/overlays

(10) spatial character:

line
areal

(11) scale of maps: 1:50,000
1:200,000

(12) origin of data:

Photo interpretation
Field sampling

(13) contacts:
Dr. Mike Bonnor
FORSTATS
Forest Statistics & Systems Branch
Chalk River, Ontario
KOJ 1J0
(613) 589-2880

FILE NUMBER EC 3/3-1

VEGETATION-TERRAIN-PERMAFROST RELATIONSHIPS: EASTERN ARCTIC

(1) agency name:

Northern Forest Research Centre
Canadian Forestry Service
Environment Canada

(2) date: 1976-1977

(3) periodicity:

(4) area: Eastern Arctic

(5) file size:

(6) Keywords: (subject and variables)

Vegetation-Terrain-Permafrost-cominant vegetation types, their influence on permafrost. Relationships between vegetation and soil.

(7) description & features

Data of this kind is essential in the identification of terrain which is sensitive to disturbances by activities related to development.

(8) geographical identifications

Proposed Polar Gas pipeline corridor from Hayes River to the Manitoba boundary in the District of Keewatin.

(9) storage medium:
electronic

hard copy
tables
charts/graphs
maps/overlays
report available

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Field survey

(13) contacts:

S.C. Zoltai
Northern Forest Research Centre
5320 - 122 Street
Edmonton, Alberta
T6H 3S5

FILE NUMBER EC 3/4-1

YUKON RENEWABLE RESOURCE AND MANAGEMENT STATISTICS (RRMS)

(1) agency name:

Pacific Forest Research Centre
Canadian Forestry Service
Environment Canada

(2) date: 1978

(3) periodicity: annual

(4) area: Yukon Territory

(5) file size:

(6) Keywords: (subject and variables)

Ecological data - resource data, ecoregion tables, cover type tables, fire priority rating zone

(7) description & features Retrieves, displays and tabulates available resource data for a given location. Other data files such as wildlife, land use, weather, hydrology etc. may also be implemented. RRMS is capable of displaying results in map form and presenting tabular summaries in Canadian metric units. The line printer mapping feature is currently capable of producing distribution maps of the% of any cover type. Offline graphics system capable of generating color maps on either film or TV screens.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
magnetic tape	

(10) spatial character:

areal

(11) scale of maps:
Various

(12) origin of data:

YLFS records and satellite tapes

(13) contacts:

D.R. Macdonald
Pacific Forest Research Centre
Canadian Forestry Service
506 West Burnside Rd.
Victoria, B.C.
V8S 1M5
566-3811

FILE NUMBER EC 3/4-2

FOREST RESOURCE MANAGEMENT RESEARCH IN THE YUKON TERRITORY

(1) agency name:

Pacific Forest Research Centre
Canadian Forestry Service
Environment Canada

(2) date: 1975-

(3) periodicity: 1982 continuing

(4) area: Yukon Territory

(5) file size:

(6) Keywords: (subject and variables)

Forestry Resources Yukon - baseline data suitable for integrated resource planning and management and to evaluate and prescribe for reforestation of environmentally sensitive areas.

(7) description & features

Computes information storage and retrieval, maps produced at 1:250,000 data obtained through remote sensing and field work procedures, including use of GEMS 300.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

D.R. Macdonald
Pacific Forest Research Centre
506 Burnside Rd. West
Victoria, B.C.
V8Z 1M5
175 - 566-3811

FILE NUMBER EC 4/1-1

MULTI USE CLIMATIC DATA SETS

(1) agency name:

Canadian Climate Centre
Atmospheric Environment Service
Environment Canada

(2) date: variable (some data from before 1900)

(3) periodicity: updated annually

(4) area: over 5000 points nation wide

(5) file size: dependent upon user requirements

(6) Keywords: (subject and variables)

Multiuse Climatic Data - meteorological variables (temperatures, pressures, winds, precipitation, solar radiation, evaporation etc) including upper air meteorological variables, marine weather and sea-state, and soil temperatures.

(7) description & features

Data collected hourly or daily with daily, monthly averages, seasonal totals and other statistics available for most commonly used variables; many applications e.g. upper air monitoring, surface weather monitoring, agriculture, forestry, civil and marine engineering.

(8) geographical identifications

Stations identified by geographical coordinates.

(9) storage medium:

electronic	hard copy
magnetic tape	tables charts/graphs maps/overlays Others: on paper and microfilm

(10) spatial character:
point
line (isopleths)
areal

(11) scale of maps:
Various

(12) origin of data:

Meteorological/climatological station network

(13) contacts:
Atmospheric Environment Service
4905 Dufferin Street
Downsview, Ontario
M3H 5T4
Attention: CCAS, Mike Webb
(416) 667-4953

FILE NUMBER EC 4/1-2

AGROCLIMATIC CLASSIFICATION OF YUKON, NWT

(1) agency name:

Canadian Climate Centre
Atmospheric Environment Service
Environment Canada

(2) date: 1976, 77

(3) periodicity: one time

(4) area: Yukon, NWT

(5) file size: 44 maps

(6) Keywords: (subject and variables)

Agroclimatic classification

(7) description & features

The evaluation of lands in a climatic sense, for agricultural development and practice. Reports to Northern National Resources and Environment Branch, DIAND.

(8) geographical identifications

NTS maps, point locations

(9) storage medium:

electronic	hard copy
magnetic tape	tables charts/graphs maps/overlays

(10) spatial character:
areal (zonation maps)

(11) scale of maps:
1:250,000

(12) origin of data:

Field survey combined with
climatologial archive

(13) contacts:

M.O. Berry or B.F. Findlay
4905 Dufferin Street
Downsview, Ontario
M3H 5T4

FILE NUMBER EC 4/1-3

CLIMATE OF CANADIAN ARCTIC ISLANDS AND ADJACENT WATERS

(1) agency name:

Canadian Climate Centre
Atmospheric Environment Service
Environment Canada

(2) date: 1980, 1982

(3) periodicity: No revision currently scheduled

(4) area: NWT (excluding mainland)

(5) file size: 2 volumes, 500 pages each

(6) Keywords: (subject and variables)

Climatology: climatic controls, temperature, wind, precipitation, snow cover, sea ice, sea state, aviation weather, invusions, pollution potential, atmospheric phenomena, synoptic system.

(7) description & features

A climatological study emphasizing probability estimates of extremes and durations of critical weather types. A subdivision of the study area info climatic regions is presented.

(8) geographical identifications

Point locations, areal analyses, marine grid for ship data

(9) storage medium:

electronic	hard copy
magnetic tape	tables charts/graphs maps/overlays

(10) spatial character:

point, line, areal

(11) scale of maps:

1:4,000,000

(12) origin of data:

Climatological archive
meteorological literature

(13) contacts:

J.B. Maxwell
AES
4905 Dufferin Street
Downsview, Ontario
M3H 5T4

FILE NUMBER EC 4/1-4

SELECTED PUBLICATIONS IN CLIMATOLOGY AND APPLIED METEOROLOGY

-BIBLIOGRAPHIC-

(1) agency name:

Canadian Climate Centre
Atmospheric Environment Service
Environment Canada

(2) date:

(3) periodicity: on-going

(4) area: Canada

(5) file size: 140 titles

(6) Keywords: (subject and variables) Recreation, tourism, industrial meteorology, Climatic Data; Current, Historical. Climatic Studies; national, regional. Climatic Maps and atlases. Statistical Data. Miscellaneous Norms. Climatic Elements; Upper Air. Climatic Fluctuations and Trends. Hydrometeorology, Liminology.

(7) description & features

This file lists publications available and their costs. Publications include reports, data sheets and periodicals, bibliographic and reference listings. The 13 page list is available from the contact address.

(8) geographical identifications

(9) storage medium:

electronic	hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Canadian Climate Centre
Atmospheric Environment Service
Environment Canada
4905 Dufferin Street
Downsview, Ontario
M3H 5T4
(416) 667-4614, 667-4613

FILE NUMBER EC 5/1-1

HAZTRANS (HAZARDOUS MATERIALS IN TRANSPORT)

(1) agency name:

Contaminants Control Branch
Environmental Protection Service
Environment Canada

(2) date: 1976

(3) periodicity: 1979

(4) area:

(5) file size: 3,836 chemicals

(6) Keywords: (subject and variables)

Chemical name, synonym or trade name, physical, chemical properties, hazard class, ecological effect rating, bioaccumulation, toxidity and others to total of 74 items.

(7) description & features

The transport and handling of dangerous materials and chemicals - both bibliographic and numeric data relevant to their biologial, chemical and physical effects.

(8) geographical identifications

Location and name of chemical manufacturer presently being added.

(9) storage medium:

electronic

on-line

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

In-house
(formerly HAZMAT)

(see reference manual)

(13) contacts:
A.D. Pittuck
Chemical Data Division
Contaminants Control Branch
Environment Canada
Ottawa, Ontario
K1A 0E7
(613) 997-1640/997-3450/997-3450

FILE NUMBER EC 5/2-1

NEELS (NATIONAL EMERGENCY EQUIPMENT LOCATOR SYSTEM)

(1) agency name:

National Environmental Emergency Centre
Environment Emergency Branch
Environment Protection Service
Environment Canada

(2) date: info. date back to 1973
1974 initiated

(3) periodicity: update as information available

(4) area: Canada wide

(5) file size: 600 inventories

(6) Keywords: (subject and variables)

Equipment (Emergency containment and clean-up) known to be available, location (long/lat), telephone number, organization, place, name

(7) description & features

Bibliographic system designed to assist government and industry response organizations by standardizing their spill counter measures inventories and by providing a rapid means for locating equipment in an emergency.

(8) geographical identifications

(9) storage medium:
electronic
inter-active
on-line

hard copy

(10) spatial character:

(11) scale of maps:
Canada

(12) origin of data:

Government departments, oil companies, clean-up contractors

(13) contacts:

R.A. Beach, Manager
National Environmental Emergency Centre
Environmental Emergency Branch
Environmental Protection Service
Environment Canada
Ottawa, Ontario
KIA 0E7
(613) 997-3742

FILE NUMBER EC 5/2-2

NATES (NATIONAL ANALYSIS OF TRENDS IN EMERGENCIES SYSTEM)

- BIBLIOGRAPHIC -

(1) agency name: National Environmental Emergency Centre Environment Emergency Branch Environment Protection Service Environment Canada	**(2) date:** info, back to 1968 1974 data base initiated **(3) periodicity:** updated as info available **(4) area:** Canada wide **(5) file size:** 12,000 records

(6) Keywords: (subject and variables)

Forty-three fields of information reporting spills of hazardous materials including material name, United Nations reference number, and "cause" and "reason" of spill.

(7) description & features

Alpha numeric data base - national inventory of accidents involving spills of hazardous materials. Canadian regulations require that every situation involving a spill of hazardous material be reported, however, data for NATES is voluntarily provided by other federal departments and provincial departments.

(8) geographical identifications

Latitude and longitude

(9) storage medium: electronic inter-active on-line (fixed fields)	hard copy	**(10) spatial character:** **(11) scale of maps:** Canada

(12) origin of data: Federal and provincial government departments	**(13) contacts:** R.A. Beach, Manager National Environmental Emergency Centre Environmental Emergency Branch Environmental Protection Service Environment Canada Ottawa, Ontario K1A 0E7 (613) 997-3742

FILE NUMBER EC 5/3-1

NEIS - NATIONAL EMISSION INVENTORY SYSTEM

- BIBLIOGRAPHIC -

(1) agency name:

Air Pollution Programs Branch
Environmental Protection Service
Environment Canada

(2) date: 1974

(3) periodicity: every two years thereafter & historical data for '55 & '65.

(4) area: National, Provincial, County

(5) file size: City and Grid (127 km) 532 plans (point source) and area source sectors.

(6) Keywords: (subject and variables)

Plant name, location, longitude and latitude, grid, personnel to contact, standard industrial classification, stack height, diameter, temperature of emitting gas and control equipment, emission source description, base quantities, emission factor, pollutants, etc.

(7) description & features

(Bibliographic and numeric information pertaining to air emissions in Canada)
Characterization and quantification of atmospheric emission sources in Canada

(8) geographical identifications

Lat/long., grid

(9) storage medium:

electronic
key punch cards
magnetic tape

hard copy

(10) spatial character:

point
areal

(11) scale of maps:

Canada

(12) origin of data:

Questionnaires, Statistics Canada publications, air pollution literature, regional contact, census survey of 1971, etc.

(13) contacts:

Frank Vena, Head
National Emissions Inventory System
Air Pollution Control Directorate
Environment Canada
Ottawa, Ontario K1A 0E7
Ph: 997-3352

FILE NUMBER EC 5/3-2

NAPS (NATIONAL AIR POLLUTION SURVEILLANCE)

(1) agency name:

Air Pollution Programs Branch
Environmental Protection Service
Environment Canada

(2) date: 1970

(3) periodicity: Updated monthly

(4) area: 55 cities in Canada
161 sampling sites

(5) file size: 15 x 10^6 data points

(6) Keywords: (subject and variables)

Station number, address, sampling period, pollutant type, hourly daily or monthly concentration

(7) description & features

Numeric data base of information relating to ambient air concentrations of nine air pollutants in urban areas of Canada.

(8) geographical identifications

Address, latitude, longitude, UTM Co-ords, elevation, land use description

(9) storage medium:

electronic	hard copy
magnetic tape	monthly and annual summaries published since 1970

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Ongoing field monitoring program.

(13) contacts:

Thomas Dann
Pollution Measurement Division
Air Pollution Control Directorate
Environmental Protection Service
Environment Canada, River Road Labs,
Ottawa, Ontario (613) 998-4662

FILE NUMBER EC 5/3-3

CANADIAN AIR POLLUTION TECHNICAL INFORMATION SYSTEM

-BIBLIOGRAPHIC-

(1) agency name:

Air Pollution Control Directorate
Technical Information System
Environmental Protection Service
Environment Canada

(2) date: info. avail. from 1965
data base in existence since 1973

(3) periodicity: updated continuously

(4) area:

(5) file size: 20,000

(6) Keywords: (subject and variables)

Author, citation, subjects

(7) description & features

Information relating to air pollution, bibliographic data base

(8) geographical identifications

(9) storage medium:
electronic

on-line tapes
fixed fields

hard copy

(10) spatial character:

(11) scale of maps:
Canada

(12) origin of data:

(13) contacts:

Mary Frances Laughton
Technical Information Section
Air Pollution Control Directorate
Environment Canada
Ottawa, Ontario KIA OE7
Ph: 994-0284

FILE NUMBER EC 5/4-1

1 **WATENIS - NIPS (National Inventory of Pollution Sources)**

(1) agency name:

Water Pollution Control Directorate
Environmental Protection Service
Environment Canada

(2) date: 1976

(3) periodicity: updated on a continuous basis

(4) area: All Canada

(5) file size: Approximately 500 industrial plants

(6) Keywords: (subject and variables)

Inventory - industrial sectors - products - type of process - water effluent quality - type of treatment

(7) description & features

Uses System 2000 data base management system - updates and retrievals done in both interactive and batch modes - distributed data processing used in data collection - operates on (TRW mini-computers for data collection) E.M.R. Cyber 7 70 computers

(8) geographical identifications

Identification is by province - latitude/longitude - Water Survey of Canada basin codes - provincial receiving water body codes.

(9) storage medium:

electronic
hard disc

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Data originates and is processed in regions and transmitted to E.M.R. installation.

(13) contacts:

Anand Aggarwal, Chief
Data Management & Analysis Division
Water Pollution Control Directorat
Environment Canada, 13th Floor, PVM
Ottawa, Ontario K1A 0E7

FILE NUMBER EC 5/4-2

WATENIS - OCEANDUMPING (Ocean Dumping Permit System)

(1) agency name:

Water Pollution Control Directorate
Environmental Protection Service
Environment Canada

(2) date: 1980

(3) periodicity: updated on a continuous basis

(4) area: Canadian Coastal regions

(5) file size: approximately 1300 permits since 1976

(6) Keywords: (subject and variables)

Canada Gazette permit number - permit type - material dumped - load and dump sites - monitoring information.

(7) description & features

Uses System 2000 data base management system - updates and retrievals done in both interactive and batch modes - operates on E.M.R. Cyber 70 computers

(8) geographical identifications

Latitude/longitude identification of load and dump sites.

(9) storage medium:

electronic	**hard copy**
hard disc	

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Data originates and is processed in coastal regions and is entered from regions interactively

(13) contacts:

Anand Aggarwal, Chief
Data Management & Analysis Division
Water Pollution Control Directorate
Environment Canada, 13th floor, PVM
Ottawa, Ontario
K1A 0E7

FILE NUMBER EC 5/4-3

WATENIS-MUNDAT (National Inventory of Municipal Waterworks and Wastewater Systems)

(1) agency name:

Water Pollution Control Directorate
Environmental Protection Service
Environment Canada

(2) date: 1975

(3) periodicity: Updated annually by province

(4) area: All Canada

(5) file size: Approximately 3000 municipalities

(6) Keywords: (subject and variables)

Inventory - Water Supply and Wastewater treatment facilities - Capacity - treatment types - quality of wastewater

(7) description & features

Uses System 2000 data base management system - updates and retrievals done in both interactive and batch modes - operates on E.M.R. Cyber 70 computers.

** Publication of data base information done regularly.

(8) geographical identifications

Standard geographical classification codes developed by Statistics Canada are used to identify municipalities - Water Survey of Canada codes identify watersheds.

(9) storage medium:

electronic

hard disc

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Original data was collected by province using a questionnaire designed in conjunction with Statistics Canada

(13) contacts:

Anand Aggarwal, Chief
Data Management & Analysis Division
Water Pollution Control Directorate
Environment Canada, 13th Floor, PVM
Ottawa, Ontario K1A 0E7

FILE NUMBER EC 5/5-1

YUKON RIVER: CITY OF WHITEHORSE STUDY

(1) agency name:

Yukon District Office
Environmental Protection Service
Environment Canada

(2) date: 1977

(3) periodicity: ongoing

(4) area: Yukon/Alaska

(5) file size:

(6) Keywords: (subject and variables)

Impact of sewage on Yukon River, water samples, bottom fauna samples, raw sewage

(7) description & features

Data should provide information useful in assessing effectiveness of the lagoon sewage treatment process as set up for Whitehorse and the impact on a cold water river.

(8) geographical identifications

Yukon River downstream of Whitehorse, Yukon as far as Lake Laberge

(9) storage medium:
electronic

hard copy

tables
charts/graphs

(10) spatial character:

(11) scale of maps:

(12) origin of data:

In house field survey

(13) contacts:

Doug Kittle
Project Biologist
Environment Canada: EPS
Room 225, Federal Building
Whitehorse, Y.T. Y1A 2B5
(403) 667-6487

FILE NUMBER EC 5/5-2

STUDY OF THE IMPACT OF THE YUKON RIVER ON LAKE LABERGE

(1) agency name:

Yukon District Office
Environmental Protection Service
Environment Canada

(2) date: Mah 1978

(3) periodicity: 1979

(4) area: Lake Laberge, Yukon

(5) file size:

(6) Keywords: (subject and variables)

Water quality parameters; metals, nutrients, coliform bacteria, bathymetric map, aerial photos

(7) description & features

Downstream impact of the City of Whitehorse on cold water lake.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

tables
charts/graphs
maps/overlays

(10) spatial character:

(11) scale of maps:

(12) origin of data:

In-house field survey

(13) contacts:

Mary Jacks
Project Biologist
Environment Canada: EPS
Room 225, Federal Building
Whitehorse, Y.T.
(403) 667-6487

FILE NUMBER EC 5/6-1

YELLOWKNIFE DUSTFALL PROGRAM

(1) agency name:

Environmental Protection Service
District Office (Yellowknife)

(2) date: June 1978

(3) periodicity: once/30 days

(4) area: Yellowknife

(5) file size: 1 file approximately 100 pages

(6) Keywords: (subject and variables)

Dustfall, bucket, station

(7) description & features

13 dustfall stations set up around Yellowknife are sampled every 30 days and sent to EPS laboratory in Edmonton for analysis.

(8) geographical identifications

City of Yellowknife and surrounding area (selected sites)

(9) storage medium:

electronic

hard copy

tables

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Field survey

(13) contacts:

Timothy B. Evans
Environmental Protection Service
NWT District Office
Box 370, Yellowknife, N.W.T. X1A 2N3
873-3456

FILE NUMBER EC 5/6-2

MACKENZIE RIVER HERBICIDE SPRAYING

(1) agency name:

Environmental Protection Service
Yellowknife District Office
Environment Canada

(2) date: September -

(3) periodicity: December 1978
Fort Providence Ferry
(4) area: Crossing, Whitlock Island
Ranges, Mills Lake
(5) file size: two files - several
hundred pages each

(6) Keywords: (subject and variables)

Soil, sediment, water, mammal tissue, samples, environmental impact of herbicide "Estemine Brushkiller" (Dioxin) on the Mackenzie River and surrounding land.

(7) description & features

Five soil samples were taken from 6 selected stations chosen with regard to their proximity to dead bush. A garden trowel was used to remove top 6 cm of soil, samples were then placed in sterile plastic bags and frozen. Four sediment samples were taken from Mackenzie. No mammal tissue samples were taken.

(8) geographical identifications

Fort Providence Ferry Crossing, km 65 north and south landings Whitlock Island Ranges, km 85.9 and km 88.4 Mills Lake km 104.8.

(9) storage medium:
electronic

hard copy

typed files and
reports

(10) spatial character:

semi-spatial

(11) scale of maps:

(12) origin of data:

field survey

(13) contacts:

Manager,
Protection and Surveillance
Environment Canada - Env. Prot. Branch
NWT District Office
P.O. Box 2310
Yellowknife, N.W.T.
873-3456

FILE NUMBER EC 6/1-1

FEDERAL LAND HOLDINGS INVENTORY (For inclusion in CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date:

(3) periodicity: annual, project still in progress (spring '81)

(4) area: All Canada - federal land holdings

(5) file size: approx. 675 maps

(6) Keywords: (subject and variables)

Federal lands - location, tenure, use, site area, federal land holdings.

(7) description & features

Location of federal land holdings in Canada are linked to Canada Real Property Index, CRPI, (See PW1/1) which holds information on ownership, tenure, use date of acquisition and site area, information mapped at a scale of 1:250,000 urban areas at 1 1:50,000 includes both point and polygon data.

(8) geographical identifications

NTS

(9) storage medium:
electronic
magnetic tape
CLDS

hard copy

maps/overlays

(10) spatial character:

(11) scale of maps:
1:50,000, 1:250,000

(12) origin of data:

(13) contacts:

Gerry Lee
Federal Land Services Division
Lands Directorate
Environment Canada
Ottawa, Ontario
K1A 0E7
997-2470

FILE NUMBER EC 6/1-2

MINING, LAND USE, AND THE ENVIRONMENT

(1) agency name: Lands Directorage Environmental Conservation Service Environment Canada	(2) date: 1979 (3) periodicity: (4) area: Canada (5) file size:

(6) Keywords: (subject and variables)

Mining, degredation, reclamation

(7) description & features

Data related to the nature and extent of land degredation processes attributable to mining, their effects on neighbouring land resources, potential for conflict and progress on reclamation.

(8) geographical identifications

(9) storage medium: electronic	hard copy publication tables	(10) spatial character:
		(11) scale of maps:

(12) origin of data:

(13) contacts:

Ian Marshall
Federal Land Services Division
Lands Directorate
Environment Canada
Ottawa, Ont K1A 0E7

(613) 997-2470

FILE NUMBER EC 6/2-1

BRITISH COLUMBIA AGRICULTURAL LAND RESERVE IMPACT DATA SET

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1976

(3) periodicity: once

(4) area: 12 regions of B.C.

(5) file size: 803 individuals
150 variables

(6) Keywords: (subject and variables)

Rural land use, agricultural land reserves, zoning, impact.

(7) description & features

150 variables for 803 individuals in 12 areas of B.C. focusing on response to Agricultural Land Reserves. Contains social, economic, land use information as well as behavioral variables.

(8) geographical identifications

By region in B.C.

(9) storage medium:

electronic
Publication Land
Use in Canada
#13

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Questionnaire

(13) contacts:

Dr. E.W. Manning
Land Policy Analysis Division
Land Directorate
Environment Canada
Ottawa, Ontario
K1A 0E7
(819) 997-2100

FILE NUMBER EC 6/2-2

CANADA'S CITIES AND THEIR SURROUNDING RESOURCE LANDS (NCLI SERIES)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: February 1979

(3) periodicity: one time publication

(4) area: Urban peripheral zones across Canada

(5) file size: Raw data available on each of 23 cities

(6) Keywords: (subject and variables)

Land use, land capability, agricultural land capability, urban growth.

(7) description & features

Interpretive report based on national data for agricultural land capability tabulated on a series of circles of varying radii for Canada's 23 largest cities. Alternatives to channel urban growth away from prime agricultural lands are discussed.

(8) geographical identifications

9 circles of varying radii whose centroids are city centres. Circle radii are: 8, 16, 24, 32, 40, 56, 80, 121, 161 kilometres.

(9) storage medium:

electronic	hard copy
magnetic tape	tables published report

(10) spatial character:

semi-spatial

(11) scale of maps:
Not applicable

(12) origin of data:

Canadian Land Inventory,
Land Capability for Agriculture

(13) contacts:

V.P. Neimanis
Land Planning Analysis Division
Lands Directorate
Environment Canada
Ottawa, Ontario
K1A 0E7
(819) 997-2100

FILE NUMBER EC 6/2-3

FEDERAL IMPACT ON FRUITLANDS

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date:

(3) periodicity: One time

(4) area: Okanagan Valley, B.C. Niagara Region, Ont., Kings County, N.S., Montreal Region, Québec

(5) file size:

(6) Keywords: (subject and variables) National overview of fruit industry: physical base: climate, soil patterns, where fruit can be grown. Seven identified fruit growing areas - level of production, types of fruit, historical trends. Case Studies: Niagara, Okanagan, Annapolis Valley and issues, federal role in problems, role of other government levels in problems: 1. Land availability: Nature and uniqueness of fruitland. Land required for urban development. Farm size, fragmentation. Land prices. Alternatives: Planning controls, federal impacts. 2. Farm viability: New varieties. Labour availability, cost. Technology and management. Capital and income. Federal role. 3. Marketing: Market systems and changes. Supply/demand, marketable varieties. Import competition. Processing industry. Federal role. Conclusions: Federal involvement in fruit industry-extent. Beneficial effects and negative effects of existing federal programs government; efforts needed to preserve the fruitlands.

Description & features: A compendium of secondary information and data on and related to Canada's fruitlands. Information not intended as a library type reference base. It is being used by Lands' officers to compile a National Overview of the Impact of Federal Government on Fruitlands in Canada. Only the three working papers on the Niagara, Okanagan and Annapolis regions and the final report in the Land Use in Canada series will be available for distribution.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

working papers

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

E.W. Manning, W.K. Bond, P.D. Bircham
Land Planning Analysis Division
Lands Directorate
Environment Canada
Ottawa, Ontario
K1A 0E7
(819) 997-2100

FILE NUMBER EC 6/2-4

SAUGEEN REGION SOCIO ECONOMIC & L.U. CHANGE DATA

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1952, 1967, 1976, 1978

(3) periodicity: As above (finished)

(4) area: Saugeen Valley Conservation Authority (Ontario)

(5) file size: 3 Land Use Series @ 1:50,000, 1 Questionnaire survey of 480 respondents

(6) Keywords: (subject and variables)

Land Use
Land Use Change
Socio-economic and Land Use Survey (Questionnaire)

(7) description & features This data set has land use information (various classifications) for 1952, 67 and 76, mounted on the CLDS for overlay enabling land use change analysis. Associated is Census data, and a 1½ hr. interview questionnaire on land owner's land use, socio-economic situation, land use changes, problems and intentions. This ws used in a study of agricultural land use changes and their causes and consequences.

(8) geographical identifications

The Saugeen Valley is composed of 21 townships in S. Central Ont. (Bruce, Grey and Wellington Counties). The census information is by Township, the mapping is area, and the questionnaire random.

(9) storage medium:

electronic	hard copy
magnetic tape (questionnaire)	maps/overlays CLDS

(10) spatial character:
semi-spatial; census
point; questionnaire (random)
areal; land-use mapping

(11) scale of maps:
1:50,000

(12) origin of data:
1952 - Saugeen Valley Conservation Authority Report
1967 - Canada Land Inventory Land Use
1976 - Special Survey, Lands Directorate Ontario Regin
1978 - Questionnaire - Lands Directorate Policy Analysis Division

(13) contacts:

J.D. McCuaig, E.W. Manning
Lands Directorate
Environment Canada
Ottawa, Ontario
K1A 0E7
(819) 997-2470, 997-2100

FILE NUMBER EC 6/2-5

NATIONAL DATA SET FOR RURAL/AGRICULTURAL DATA (Time-Series)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: Census year 1961 on

(3) periodicity: 5 years

(4) area: Canada wide

(5) file size: 229 regions, 150 variables SPSS System file

(6) Keywords: (subject and variables)

Time series, uniform area census data from 1961 to 1981
Agricultural Census, Population Census
Land Use Change
Industry and Forestry Pending

(7) description & features

This data set provides 229 regions in Canada, roughly equal to Census Districts with data comparable over 20 years and 5 censuses (1981 pending). This enables accurate time series analysis without the usual boundary and definitional problems. At present, the system is primarily agricultural, with forestry, population and industrial data being considered.

(8) geographical identifications

Canada - wide - 229 areas similar to Census Districts or Counties

(9) storage medium:

electronic

magnetic tape
SPSS System file

hard copy

(10) spatial character:
semi-spatial

(11) scale of maps:
NA

(12) origin of data:

Census of Canada (Agriculture and Population)
Data manipulation by Lands Directorate for uniformity of boundary

(13) contacts:

J.D. McCuaig, E.W. Manning
Land Planning Analysis Division
Lands Directorate
Environment Canada
Ottawa, Ontario
K1A 0E7
(819) 997-2470, 997-2100

FILE NUMBER EC 6/3-1

NORTHERN LAND USE INFORMATION SERIES

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada and
Northern Environment
Indian Affairs and Northern Development

(2) date: Program initiated in 1971

(3) periodicity: Annual cycle covering new areas

(4) area: Yukon and N.W.T.

(5) file size: 245 maps and descriptive texts; several related handbooks

(6) Keywords: (subject and variables)
Environmental data, land use, inventory, ecological overview, socio-economic information, wildlife, fish resources, native land use, historical sites, non-renewable resources, community descriptions, significant ecological sites, conservation areas, boundaries.

(7) description & features

Systematic environmental-socio research and information program for northern Canada. Reconnaissance level information base to facilitate comprehensive regional planning and application of the Territorial land use regulations. Information is published on NTS maps at the scale of 1:250,000.

(8) geographical identifications

All Yukon and Northwest Territories to be completed.

(9) storage medium:

electronic	hard copy
	maps/overlays

(10) spatial character:

areal

(11) scale of maps:
1:250,000

(12) origin of data:

Federal and Territorial Government departments, agencies, contractors, local residents, various field surveys to supplement existing information.

(13) contacts:

Garry G. McLean
Program Coordinator
Land Use Information Series
Environment Canada
Ottawa, Ontario
K1A 0E7
997-2240

FILE NUMBER EC 6/4-1

URBANIZATION OF RURAL LAND IN CANADA: 1966-71 and 1971-76

(1) agency name:

Lands Directorate
Environment Conservation Service
Environment Canada

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

Land conversion: rural land, land use classes, agricultural capability, outdoor recreation, waterfowl capability, ungulate capability, urban areas.

(7) description & features

Includes description of methodology, summary of highlights and tables

(8) geographical identifications

(9) storage medium:

electronic

hard copy
tables
published report

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Leigh Warren or Paul Rump
Land Use Monitoring Division
Lands Directorate
Environment Canada
20th Floor, Place Vincent Massey
Hull, Quebec
K1A 0E7
(819) 997-2240

FILE NUMBER EC 6/5-1

ECODISTRICT DATA SET (IN CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date:

(3) periodicity: ongoing

(4) area: Ontario & Quebec (tentatively for all Canada)

(5) file size: currently 31 (1:M) maps, 76 for all Canada by 1982

(6) Keywords: (subject and variables)

Ecological data - site specific, geocoded ecological data, land planning, soils, vegetation, climate, terrain, geomorphology, water, topography

(7) description & features

Analysis and reporting of ecological data for national and regional sensitivity and impact assessment. Data set features 34 criteria, each with variables for the delineation of ecodistricts. Tentative development of an overall terrestrial sensitivity scheme for evaluation of LRTAP impact.

(8) geographical identifications

(9) storage medium:

electronic

magnetic tape

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

E.B. Wiken, Chief
Ecological Land Evaluation &
Classification Division
Lands Directorate
20th Flor, PVM
Hull, Quebec
K1A 0E7
997-2320

FILE NUMBER EC 6/5-2

NATIONAL PERSPECTIVES ENVIRONMENTAL DATA SET (IN CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date:

(3) periodicity: 1 time publication

(4) area: Canada

(5) file size: 10 maps 1:15 M

(6) Keywords: (subject and variables)

Generalized ecological data - soils, physiography, surficial geology, vegetation, rainfall, temperature, permafrost, provincial boundaries, highly sensitive watersheds to acid rain, mean annual pH of precipitation.

(7) description & features

Data set features maps of distribution of ecological variables

(8) geographical identifications

(9) storage medium:

electronic magnetic tape	hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

C. Rubec, Research Officer
Ecological Land Evaluation and
Classificatin Division
Lands Directorate
Environment Canada
20th Floor, PVM
Hull, Quebec
K1A 0E7 997-2320

FILE NUMBER EC 6/5-3

ECOREGIONS OF CANADA (IN CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1979

(3) periodicity: 1 time publication

(4) area: Canada

(5) file size: 11 maps 1:15 M

(6) Keywords: (subject and variables)

Generalized ecological data-soils, physiography, surficial geology, vegetation, rainfall, temperature, permaforst, provincial boundaries, highly sensitive watersheds to acid rain, mean annual pH of precipitation.

(7) description & features

Data set features maps of distribution of ecological variables.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:

areal

(11) scale of maps:

(12) origin of data:

National Atlas Maps

(13) contacts:

C. Rubec, Research Officer
Ecological Land Evaluation and
Classification Division
Lands Directorate
Environment Canada
20th Floor, PVM
Hull, Quebec, K1A 0E7
997-2320

FILE NUMBER EC 6/5-4

NATIONAL PERSPECTIVES ENVIRONMENTAL DATA SET (IN CLDS) ECRGN

(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada	(2) date: 1979 (3) periodicity: 1 time publication (4) area: Canada (5) file size: 10 maps 1:15 M

(6) Keywords: (subject and variables)

Generalized ecological data - soils, physiography, surficial geology, vegetation, rainfall, temperature, permafrost, provincial boundaries, highly sensitive watersheds to acid rain, mean annual pH of precipitation.

(7) description & features

Data set features maps of distribution of ecological variables

(8) geographical identifications

(9) storage medium: electronic magnetic tape	hard copy maps/overlays	(10) spatial character: areal (11) scale of maps: 1:15,000,000

(12) origin of data: National Atlas Maps	(13) contacts: C. Rubect, Research Officer Ecological Land Evaluation and Classification Division Environment Canada 20th Floor, PVM Hull, Quebec K1A 0E7 997-2320

FILE NUMBER EC 6/5-5

LAND USE SECTIONS - SOUTHWESTERN MANITOBA DATA SET (IN CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date:

(3) periodicity: Complete

(4) area: Southwestern Manitoba

(5) file size: OIC 4 NTS map sheets
62G, 62J

(6) Keywords: (subject and variables)

Land Use - land use, soils, remote sensing, sections

(7) description & features

Land use and land capability maps are correlated with soil maps and land use sections (interpreted using Landsat imagery) to explore use of Canada Land Data System for land use section analysis.

(8) geographical identifications

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:

areal

(11) scale of maps:
1:250,000

(12) origin of data:

(13) contacts:

C. Rubec, Research Officer
Ecological Land Evaluation and
Classification Division
Environment Canada
20th Floor, Place Vincent Massey
Hull, PQ KIA 0E7
997-2320

FILE NUMBER EC 6/5-6

LAND USE: NEEPAWA AREA DATA SET (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1978

(3) periodicity: Complete 1970-76

(4) area: Neepawa Area, Manitoba

(5) file size: 2 maps 1:50,000
NTS 62J/3

(6) Keywords: (subject and variables)

Land use inventory, change detection

(7) description & features

Evaluates land use monitoring capability of LANDSAT digital data handling (part of a study)

(8) geographical identifications

(9) storage medium:

electronic	**hard copy**
magnetic tape	maps/overlays

(10) spatial character:

areal

(11) scale of maps:
1:50,000

(12) origin of data:

Land Use from NAPL
photography interpretation

(13) contacts:

C. Rubect, Research Officer
Ecological Land Evaluation and
Classification Division
Lands Directorate
Environment Canada
20th Floor, PVM
Hull, PQ KIA 0E7
997-2320

FILE NUMBER EC 6/6

CANADA LAND DATA SYSTEM (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date:

(3) periodicity: updated as info becomes available

(4) area: Canada wide

(5) file size: 3,500 maps, 100 single sector data sets

(6) Keywords: (subject and variables)

CLI (Canada Land Inventory) Land Capability: agriculture, forestry, recreation sportfish, wildlife. Present and potential land use. Census, watershed, ecological and other thematic data.

(7) description & features

Data system with an analytical capability transforms CLI and other thematic data to a digital representation for analysis. Links between land capability and other physical or socioeconomic factors are made possible by an unlimited capability for cross-sectoral analyses.

(8) geographical identifications

NTS grid, UTM grid

(9) storage medium:

electronic	hard copy
magnetic tape hard disc NTS sheets	

(10) spatial character: point, line, areal

(11) scale of maps: Various

(12) origin of data:

Various

(13) contacts:

Chief
Canada Land Data Systems Division
Lands Directorate
21st Floor, Place Vincent Massey
351 St. Joseph Blvd.
Hull, Quebec K1A 0E7
(819) 997-2510

FILE NUMBER EC 6/6-1

AGRICULTURE (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1968

(3) periodicity: completed

(4) area: Canada

(5) file size: 283 maps

(6) Keywords: (subject and variables)

Soil capability for agriculture - classifications 1-7, CLI, Canada Land Inventory

(7) description & features

Part of theCanada Land Data System, National Land Data Base on agricultural capability study based upon mineral soil classifications with groups 1 to 4 suitable for crops, 5-6 for perennial grazing crops only and 7 unsuitable for agriculture. Data available for the southern half of Canada.

(8) geographical identifications

NTS map grid (at various scales)

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps: 75 at 1:50,000, 49 at 1:125,000; 159 at 1:250,000

(12) origin of data:

Based on soil survey information (CLI Canada Land Inventory Information)

(13) contacts:

Chief
Canada Land Data Systems Division
Lands Directorate
21st Floor, Place Vincent Massey
351 St. Joseph Blvd
Hull, Quebec KIA OE7
997-2510

FILE NUMBER EC 6/6-2

FORESTRY (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1968

(3) periodicity: completed

(4) area: Canada

(5) file size: 190 maps

(6) Keywords: (subject and variables)

Soil capability for commercial timber - classifications 1 to 7, CLI, Canada Land Inventory

(7) description & features

Part of the Canada Land Data System, National Land Data Base. Areas' commercial timber potential capability based upon the soils ability to sustain commercial timber and classified from value 1 (high capability) to value 7 (no capability) and upon the natural state of the land (without manmade improvements, i.e. fertilizer, etc.)associated with each capability class is a productivity range based on the mean annual increment of the best species or group of species at a given site (productivity associated with good management) without economic considerations.

(8) geographical identifications

NTS map grid

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps:
44 at 1:125,000; 146 at 1:250,000

(12) origin of data:
Best on all known or inferred information about the area including sub-soil, soil profile, depth, moisture fertility, landform, climate and vegetation. (CLI Canada Land Inventory information)

(13) contacts:

Chief
Canada Land Data Systems Division
Lands Directorate
21st Floor
Place Vincent Massey
351 St. Joseph Blvd
Ottawa, Ontario KIA 0E7
997-2510

FILE NUMBER EC 6/6-3

WILDLIFE UNGULATES (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservatin Service
Environment Canada

(2) date: 1968

(3) periodicity: completed

(4) area: Canada

(5) file size: 227 maps

(6) Keywords: **(subject and variables)**
Area capability to support ungulates/by varying land characteristics, species' and/or groups of species' individual requirements. CLI, Canada Land Inventory.

(7) description & features
Part of the Canada Land Data System, National Land Data Base coverage of Canada by capability class determined by an area's degree of limitation to support ungulates (by species and group of species) and subclasses of the above denoting the primary limiting factor in the area ratings do not include Present Land Use, hunting pressures, etc.

(8) geographical identifications

NTS map grid

(9) storage medium:

electronic	**hard copy**
magnetic tape	maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps:
1:250,000

(12) origin of data:

Based on information of the area including quality and quantity of food, protective cover, space, etc. (CLI Canada Land Inventory informa

(13) contacts:

Chief
Canada Land Data Systems Division
Lands Directorate
21st Floor, Place Vincent Massey
351 St. Joseph Blvd
Hull, Quebec K1A 0E7
997-2510

FILE NUMBER EC 6/6-4

WILDLIFE WATERFOWL (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1968

(3) periodicity: completed

(4) area: Canada

(5) file size: 210 maps

(6) Keywords: (subject and variables)

Degree of limitation to waterfowl - physiographic characteristics important to waterfowl species or groups of species waterfowl. CLI, Canada Land Inventory.

(7) description & features

Part of the Canada Land Data System, National Land Data Base, land is divided into areas on basis of physiographic characteristics important to waterfowl with the degree of limitation in each area determining the capability class and the primary limiting factor determining the subclass. Present Land Use and other human influences (i.e. hunting) not considered.

(8) geographical identifications

NTS map grid

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps:

1:250,000

(12) origin of data:

Based on area information on vegetation (climate) and optimums conditions needed by waterfowl. (CLI Canada Land Inventory information)

(13) contacts:

Chief
Canada Land Data Systems Division
Lands Directorate
21st Floor
Place Vincent Massey
351 St. Joseph Blvd.
Hull, Quebec
997-2510

FILE NUMBER EC 6/6-5

RECREATION (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1968

(3) periodicity: completed

(4) area: Canada

(5) file size: 325 maps

(6) Keywords: (subject and variables)

Intensity/quantity of recreation - classes 1 to 7
shoreland or upland, intensive or dispersed activities. CLI, Canada Land Inventory

(7) description & features

Part of the Canada Land Data System, National Land Data Base, quantity and distribution of recreational potential of land areas in their existing state are classified. A further classification of shoreland or upland is also available. Classifications are done as if under "perfect market conditions" i.e. equal accessibility, distance from town, etc.

(8) geographical identifications

NTS map grid

(9) storage medium:

electronic	**hard copy**
magnetic tape	maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps:

(12) origin of data:

Based on reconnaissance of areas including aerial photo interpretation, field checks, available records. (CLI, Canada Land Inventory information)

(13) contacts:

Chief
Canada Land Data Systems Division
Land Directorate
21st Floor, Place Vincent Massey
351 St. Joseph Blvd.
Hull, Quebec KIA 0E7
997-2510

FILE NUMBER EC 6/6-6

SPORTFISH (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1968

(3) periodicity: completed

(4) area: Canada, Alta, Man, Maritimes

(5) file size: 57 maps

(6) Keywords: (subject and variables)

Water capability for sportfish - level of nutrients requirements/ characteristics of actual fish species.

(7) description & features

Part of the Canada Land Data System, National Land Data Base. Capability of water bodies to support sportfish classified on the basis of nutrients and subclassed by the factors which cause the limitation.

(8) geographical identifications

NTS map grid.

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps:

1:250,000

(12) origin of data:

Based on research data, recorded observations and experience or interpolated from similar water bodies.

(13) contacts:

Chief
Canada Land Data Systems Division
Lands Directorate
21st Floor, Place Vincent Massey
351 St. Joseph Blvd.
Hull, Quebec K1A 0E7
997-2510

FILE NUMBER EC 6/6-7

JAMES BAY BIOPHYSICAL (CLDS)

(1) agency name: Lands Directorate Environmental Conservation Service Environment Canada	**(2) date:** 1968 **(3) periodicity:** completed **(4) area:** James Bay, Quebec **(5) file size:** 75 maps

(6) Keywords: (subject and variables)

Ecological factors: vegetation, animal life, pollution, construction, etc.

(7) description & features

Part of the Canada Land Data Systems, National Land Data Base, an ecological study of the James Bay area.

(8) geographical identifications

NTS map grid

(9) storage medium: **electronic** magnetic tape	**hard copy** maps/overlays	**(10) spatial character:** semi-spatial **(11) scale of maps:** 1:125,000

(12) origin of data: Known biophysical data and field survey research	**(13) contacts:** Chief Canada Land Data Systems Division Lands Directorate 21st Floor Place Vincent Massey 351 St. Joseph Blvd. Hull, Quebec, K1A 0E7 997-2510

FILE NUMBER EC 6/6-8

WATERSHED (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: * 1968

(3) periodicity: *completed

(4) area: Canada (excluding Nfld, Yukon, NWT)

(5) file size: 198 maps

(6) Keywords: (subject and variables)

Watershed

(7) description & features

Part of the Canada Land Data System, National Land Data Base. Hydrographic and drainage patterns of principle inland water systems available based upon accepted watershed divisions and topographically interpreted sub-divisions identifying natural hydrological areas, (IWD).

(8) geographical identifications

Canada - watershed areas, topographically determined sub-divisions.

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:

areal

(11) scale of maps:

1:250,000

(12) origin of data:

* Inland Water Directory

(13) contacts:

Chief
Canada Land Data Systems Division
Lands Directorate
21st Floor, Place Vincent Massey
351 St. Joseph Blvd.
Hull, Quebec K1A 0E7
997-2510

FILE NUMBER EC 6/6-9

SHORELINE (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1968

(3) periodicity: completed

(4) area: Canada

(5) file size: 453 maps

(6) Keywords: (subject and variables)

Shoreline

(7) description & features

Part of the Canada Land Data System, National Land Data Base. A hydrography coverage illustrating the separation of water area from land such as double line rivers, lakes and the coastal shoreline of Canada. The 1:50,000 scale also differentiates the various water types such as most intermittent lakes, rivers and oceans.

(8) geographical identifications

NTS grid

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:
areal

(11) scale of maps: 102 maps: 50,000; 52 maps: 1:125,000, 299 maps: 1:250,000

(12) origin of data:

EMR base maps

(13) contacts:

Chief
Canada Land Data Systems Division
Lands Directorate
Environment Canada
Place Vincent Massey
351 St. Joseph Blvd
Hull, Quebec K1A 0E7
997-2510

FILE NUMBER EC 6/6-10

CENSUS 1971, CENSUS 1976 (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1971, 1976

(3) periodicity: in co-ordination with 5 year census.

(4) area: Canada

(5) file size: 593 maps

(6) Keywords: (subject and variables)

Census, enumeration, electoral

(7) description & features

Part of the Canada Land Data System, National Land Data Base. The boundaries can be linked with socio-economic characteristics of Canada collected in Statistics Canada's 1971 and 1976 census surveys; available by province, electoral district and enumeration boundaries.

(8) geographical identifications

Canada - provincial boundaries, electoral district boundaries and enumeration area boundaries.

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:

areal

(11) scale of maps: 1971 Census - 75 maps 1:50,000; 1976 Census - 463 maps 1:250,000, 59 maps 1:500,000

(12) origin of data:

1971 and 1976 Statistics Canada census.

(13) contacts:

Chief
Canada Land Data System Division
Lands Directorate
21st Floor, Place Vincent Massey
351 St. Joseph Blvd.
Hull, Quebec K1A 0E7
997-2510

FILE NUMBER EC 6/6-11

LAND USE (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1968

(3) periodicity: complete - subject to change as new information becomes available.

(4) area: Canada

(5) file size: 219 maps

(6) Keywords: (subject and variables)

Land use subject - residential, agricultural etc.
areas or locations - i.e. Ottawa, Eastern Townships, etc.

(7) description & features

Part of the Canada Land Data System, National Land Data Base.
A general land use survey and capability study of the southern half of Canada.

(8) geographical identifications

NTS map grid

(9) storage medium:

electronic	hard copy
magnetic tape	maps/overlays

(10) spatial character:

semi-spatial

(11) scale of maps:

1:250,000

(12) origin of data:

CLI and land use, data.

(13) contacts:

Chief
Canada Land Data Systems Division
Lands Directorate
21st Floor, Place Vincent Massey
351 Blvd. St. Joseph
Hull, Quebec
K1A 0E7
997-2510

FILE NUMBER EC 6/6-12

CLIENT DATA BASES (CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: Varies

(3) periodicity: Varies

(4) area: Varies

(5) file size: 817 maps

(6) Keywords: (subject and variables)

Data bases, grouped; agriculture, animals, biphysical, boundary areas and grids, forestry, geophysical, federal lands, hydrographic, land use, technical methodology, urban studies.

(7) description & features

Part of the Canada Land Data System, the client Data Bases - CLDS stores, manipulates, analyses and provides access to physical, biological, social and economic information of Canada's Land resources and specifically on special client interest subjects included in the above mentioned groups. A detailed listing follows immediately.

(8) geographical identifications

NTS and UTM Grids/projections

(9) storage medium:

electronic
magnetic tape

hard copy
maps/overlays

(10) spatial character:

(11) scale of maps: 2 maps at 1:10,000; 14 maps at 1:24,000; 9 maps at 1:25,000; 4 maps at 1:31,680; 306 maps at 1:50,000; 5 maps at 1:100,000; 2 maps at 1:125,000; [illegible] maps at 1:250,000; 1 map at 1:253,440; 29 maps at 1:500,000; 1 map at 1:1,000,000

(12) origin of data:

Varies from study to study. Basic data from CLDS itself, others from studies based on outside material and inputed into the data base.

(13) contacts:

Chief
Canada Land Data Systems Division
Lands Directorate
21st Floor, Place Vincent Massey
351 St. Joseph Blvd.
Hull, Quebec K1A 0E7
97-2510

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
GROUP: AGRICULTURE			
Agriculture and shoreline study - Vancouver region	- agriculture and shoreline data for the Greater Vancouver Regional District, BC.	1:50,000	4
Provisional CLI agriculture within 100 mile radius (combined with shoreline) Vancouver	- combination of Provincial Agriculture data and Shoreline data within 100 mile radius of Vancouver	1:50,000	25
North West Africa - FAO Soil Degradation	- study of North West Africa depicting shoreline boundary, country boundaries and study area boundary data combined with present degradation rate, present state of soil and risk of soil degradation to give soil characteristics by country including type of erosion, soil depth, texture, conductivity, dominant characteristic, etc.	1:50,000	3
GROUP: ANIMALS			
ALI Red Squirrel	- Alberta provincial furbearing study containing land capability classification for red squirrel, beaver and muskrat. Part of the Alberta Land Inventory (ALI)	1:250,000	3
ALI Beaver and Muskrat		1:250,000	3
GROUP: BIOPHYSICAL STUDIES			
Pilot Study of Biophysical data - Manitoba	- study to illustrate CLDS/CGIS can handle biophysical data - 1 sheet in Manitoba (Kettle R.) was chosen	1:250,000	2
Gros Morne National Park - Newfoundland	- study depicting biophysical data of Gros Morne National Park, Nfld.	1:50,000	6
Hudson Bay Lowlands	- study depicting biophysical classification data of Hudson Bay Lowlands	1:100,000	5
Terra Nova National Park	- interim biophysical coverage of Terra Nova National Park	1:31,680	4

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
Firth River-Parks Canada	- biophysical coverage of a potential park site in the Northern Yukon.	1:250,000	2
Flying Creek - Saskatchewan	- study area Qu'appelle River - Flying Creek - 6 coverage, range and township and special planning area, CLI agriculture, terrain, vegetation, wetland and shoreline, topography and Terrain.	1:50,000	6
Ecoregions of Canada	- ecological information for Canadian ecoregion definition coverage includes glacial geology, permafrost, Canada soils, air temperature, precipitation, physiography, shoreline. National Atlas of Canada.	1:50,000	11
Wood Buffalo National Park	- interim coverage - polygon no., map ., District, System, Sub-system, and shoreline classification matched against ecological data (Vegetation, Soils, Geology).	1:250,000	7
Ontario Biophysical Districts	- biophysical districts of Ontario - Southern Ontario completed to date.	1:250,000	4
GROUP: BOUNDARY AREAS & GRIDS			
County boundaries and names for IJC study area around the Great Lakes	- county boundaries and county names for IJC (International Joint Commission) study area around the Great Lakes.	1:250,000	24
Watershed Boundaries - Great Lakes	- watershed boundaries for the Great Lakes Study Area	1:250,000	24
Administrative Districts - Central Ontario	- study depicting the Administrative Districts of Central Ontario.	1:250,000	8
10 km Grid - Saskatchewan	- pilot project - 10 km grid in Saskatchewan from latitude 49° - 60°	1:250,000	14
2 km Grid (CLUMP)	- 2 km grid used in the sampling methodology for the monitoring of land use in the CLI area	1:250,000	16

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
GROUP: FEDERAL LANDS			
MTR and Federal/Provincial Lands	- pilot project depicting MTR and Federal/Provincial Lands in Saskatchewan between latitudes 40°-52°	1:50,000	25
Federal Lands - Point Data Pilot	- point data coverage depicting Federal Land Holdings and Indian Reserves in the Central Real Property Inventory (CRPI) less than 64 hectares - 10 map pilot study.	1:250,000	10
Federal Lands - Pilot project	- 7 map pilot study - Federal land holdings in the CRPI including Indian Reserves	1:250,000	4
Federal Lands	- National Inventory - Federal Land Holdings from CRPI - point and polygon data	1:250,000	150
GROUP: FORESTRY			
Ontario Timber Inventory	- Ontario Timber Inventory Maps	1:250,000	17
1976 Spruce Budworm areas - New Brunswick	- study depicting 1976 Spruce Budworm hazard areas - New Brunswick	1:500,000	1
Forest defoliation areas - New Brunswick	- study depicting 1976 Spruce Budworm forest defoliation areas - New Brunswick	1:500,000	1
1976 Spruce Budworm defoliation - Nova Scotia	- study depicting 1976 Spruce Budworm defoliation in forest stands - Nova Scotia	1:50,000	7
1977 Spruce Budworm defoliation - Nova Scotia	- study depicting 1977 Spruce Budworm defoliation in forest stands - Nova Scotia	1:50,000	7
Range and Township - Saskatchewan	- pilot project depicting meridian, range and township boundaries and forested areas in Saskatchewan between latitude 52°-56°	1:1,000,000	1

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
Provincial forest and federal lands outside the provincial forests in Saskatchewan	- pilot project depicting provincial forests and federal lands outside the provincial forests of Saskatchewan	1:250,000	22
Spruce Budworm egg mass densities - N.B.	- study depicting hte 1976 Spruce Budworm Egg Mass Densities in New Brunswick	1:500,000	1
Saskatchewan Forest Inventory UTM study	- feasibility study to input Saskatchewan forest Inventory map data using 10km X 10km UTM grid maps as input documents.	1:125,000	2
GROUP: GEOPHYSICAL			
Geological survey of Canada	- study depicting surficial geology of Canada: source, Geological Survey of Canada	1:253,440	1
Cypress Hills Provincial Park - Alberta	- study - 7 coverages illustrating Park zones and subzones, land leases, roads, soils, land form, land slope and orientation.	1:24,000	14
Coal deposit study in Saskatchewan	- pilot project of integrating coal resource information with Canada Land Inventory capability coverages of the lower Saskatchewan area.	1:250,000	4
GROUP: HYDROGRAPHIC			
Pollutant Transfer - Great Lakes	- pollutant transfer coverage for the Great Lakes Study Area.	1:250,000	10
GROUP: LAND USE			
Land Use for the Great Lakes Study	- Great Lakes Study area - general land use study	1:250,000	24
Northern Land Use	- pilot project. Feasibility study northern land use maps	1:250,000	3

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
PEI Soils and Land Ownership (Promotion)	- demonstration package - illustrates land parcels, land use, basic soils data where it is non-coincident with the parcel boundaries	1:10,000	1
Saugeen Land Use	- general land use study - Saugeen Basin in Southern Ontario	1:50,000	11
Alberta County Pilot Porject	- pilot study-Alberta county; township, range and section boundaries within the county of Lac Ste-Anne and integrated with CLI data and enumeration area (EA) boundaries.	1:250,000	1
1951 Saugeen Land Use	- 1951 Land Use Study within a Watershed in the Saugeen Basin of Southern Ontario	1:50,000	5
Land Use Sections Southwestern Manitoba Data Set	- land use and land capability maps are corelated with soil maps and land use sections (interpreted using Landsat imagery) to explore use of Canada Land Data System for land use section analysis.	1:250,000	4
Land Use	- general land use study of Canada	1:50,000	213
Quebec Hydro Côte Nord project	- manuscripts of data to be integrated with an ecological classification when data base is completed	1:250,000	5
GROUP: TECHNICAL METHODOLOGY			
Satellite and airborne remote sensed data-Northern Manitoba	- satellite and airborne remote sensing used in deriving ecological land classification	1:250,000	4
Landsat imagery for rural areas	- study depicting the feasibility to map the rural land systems using landsat imagery and the feasibility to evaluate satellite remote sensing data.	1:250,000	4
Land Use: Neepawa Area Data set	- study which evaluates land use monitoring capability of LANDSAT digital data handling	1:50,000	2

COVERAGE NAME	DESCRIPTION	SCALE	MAPS
GROUP: URBAN			
Ottawa - CLI recreation 1964 Land Use 1968 Land Use 1973 Land Use CLI Agriculture	- study of the Ottawa area - information included; CLI Recreation, 1964, 1968 and 1973 Land Use and CLI Agriculture.	1:50,000	5
Fruit growing areas-Ontario	- study depicting fruit growing limitations and integrated with CLI Agriculture Capability to determine suitable urban development	1:250,000	3
CMHC Windsor Pilot	- study - CMHC Windsor - detailed information on quantities and characteristics of land available around an urban area (Windsor) and examining the feasibility of using CLI data with CMHC land data (through CGIS/CLDS) to access the projected land use patterns with the land resource.	1:25,000	9
Circles with radius of 100 miles for the 23 CMA's	- study depicting nine concentric circles with a maximum radius of 100 miles for each of the 23 CMA's. CLI agriculture and recreation data was analysed within the CMA's.	1:500,000	23

FILE NUMBER EC 6/6-13

NATIONAL LAND DATA BANK (IN CLDS)

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date:

(3) periodicity: updated as data becomes available

(4) area: All Canada (site specific)

(5) file size:

(6) Keywords: (subject and variables)

Land - Land use planning, watershed boundaries, political boundaries

(7) description & features

A computerized national land data bank which stores, retrieves and via CLDS, processes geographic specific biophysical and socioeconomic data on or related to land use, land capability and resource management issues of regional or national significance.

(8) geographical identifications

(9) storage medium:

electronic	**hard copy**
magnetic tape	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Connie MacDonald
Environment Canada
Ottawa, Ontario
Phone (819) 997-2510

FILE NUMBER EC 6/7-1

EVALUATION OF LAND RESOURCE INFORMATION FOR SETTLEMENT SUITABILITY

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: November 1978

(3) periodicity: one-time

(4) area: Whitehorse-Carcross-Jakes Corner region, Yukon Territory

(5) file size: Thirty-five 1:20,000 ortho photo maps

(6) Keywords: (subject and variables)

Settlement suitability - landforms, materials, limitations

(7) description & features

Survey of landforms, soils and soil materials to provide advice and develop interpretations on "suitability for settlement" for lands in the Whitehorse-Carcross-Jakes Corner region, Yukon Territory. Information provided at request of the Land Resources Section, Department of Indian Affairs and Northern Development (DIAND), Whitehorse.

(8) geographical identifications

1:20,000 orthophoto maps

(9) storage medium:

electronic

hard copy

maps/overlays

(10) spatial character:

areal

(11) scale of maps:

1:20,000

(12) origin of data:

- surficial geology maps
- soil and soil suitability information maps
- air photo interpretation
- field work

(13) contacts:

D.S. Lacate
Regional Director
Lands Directorate
Environment Canada
904 - 1001 West Pender Street
Vancouver, B.C. V6E 2M7
(604) 666-3161

FILE NUMBER EC 6/7-2

COASTAL RESOURCES FOLIO, EAST COAST VANCOUVER ISLAND

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: December 1981

(3) periodicity: one-time

(4) area: Vancouver Island, Duncan to Campbell River

(5) file size: 15 overlay themes for nine 1:50,000 base maps

(6) Keywords: (subject and variables)

Coastal Zone baseline studies
Land/Water use
Biophysical inventories (landforms, soil, vegetation, biological resources, marine substrate)

(7) description & features

Inventory of existing biophysical and land/water use information in format that is useful for environmental assessment, lands use planning, regional and coastal resource allocation. Synthesis of data on biophysical resources, marine substrate, physical shore zone, vegetation, saltmarshes, estuaries, present use and zoning. Companion report also produced on coastal resource values, uses and processes.

(8) geographical identifications

1:50,000 NTS maps Vancouver Island (east coast)

(9) storage medium:

electronic

hard copy
tables
maps/overlays

(10) spatial character:
point, line, areal

(11) scale of maps:
1:50,000; 1:15,000

(12) origin of data:
Existing maps and data on marine and terrestrial biophysical information and land use/zoning in the region

(13) contacts:
M.J. Romaine
Lands Directorate
Environment Canada
904 - 1001 West Pender Street
Vancouver, B.C.
(604) 666-6751

FILE NUMBER EC 6/7-3

LAND STATUS AND LAND USE YUKON ROAD SYSTEM

(1) agency name:

Lands Directorate
Environmental Conservation Service
Environment Canada

(2) date: 1977 and 1978

(3) periodicity: one time only

(4) area: all major road systems in Yukon

(5) file size: 161 maps

(6) Keywords: (subject and variables)

Land status, land use

(7) description & features

Compilation and mapping of information on land status and land use along all major road systems in the Yukon. Area mapped was about two and one-half miles on either side of the centreline of the road. Excluded areas within municipal and block land transfer boundaries.

(8) geographical identifications

NTS

(9) storage medium:

electronic	hard copy
	maps/overlays

(10) spatial character:

areal

(11) scale of maps: 1:50,000 where available 1:250,000 otherwise

(12) origin of data:

- land status records, DIAND Whitehorse
- air photo interpretation
- field checking

(13) contacts:

Ken Redpath
Lands Directorate
Environment Canada
904-1001 West Pender Street
Vancouver, B.C.
V6E 2M7
(604) 666-6959

FILE NUMBER EC 7/1-1

NATIONAL PARKS BRANCH NATIONAL PARKS INDEX (NPI)

(1) agency name:

National Parks Branch
Parks Canada
Environment Canada

(2) date: 1972

(3) periodicity: monthly

(4) area: all Canada

(5) file size: approx. 8000 bibliographic records (as of 8/81)

(6) Keywords: (subject and variables)

Library of Congress subject headings, full text indexing of titles, author names and notes.

(7) description & features

1) Document collection focuses on planning, organization and management of Canada's national parks and natural resources.
2) Database permits free text searching on-line of bibliographic records by researchers.
3) Hard copy catalogues are also available for consultation
4) There is a small related map collection which is also being accessed to the system (completion date unknown as yet)

(8) geographical identifications

29 national park codes and 39 natural region codes

(9) storage medium:

electronic

magnetic tape
on-line

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Documents originally collected on a donation basis, documents written by or for Parks Canada received from author or contractor relevant documents today are still received by donation.

(13) contacts:

Brian Silcoff
National Parks Branch, Administration Division
Les Terrasses de la Chaudière
10 Wellington St., 2nd Floor
Hull, Quebec K1A 1G2
(819) 994-2844

FILE NUMBER EC 7/1-2

BIOPHYSICAL STUDIES OF NATIONAL PARKS

(1) agency name:

National Parks Branch
Parks Canada
Environment Canada

(2) date: 1972

(3) periodicity:

(4) area: Canada

(5) file size: growing - 39 regions

(6) Keywords: (subject and variables)

Biophysical information location, climate, relief, geological history, bedrock geology, landform and surficial deposits, soils, drainage system, vegetation, fauna, cultural features, wildlife.

(7) description & features

Describes parameters from all information collected in the natural resource surveys contracted out by Parks for Gros Morne, Terra Nova, Wood Buffalo, Nahanni, Northern Yukon. (Stored on CGIS). Banff, Jasper, Yoho, Revelstoke, Glacier and Prince Albert (Stored in CANSIS)

(8) geographical identifications

Park name, longitude and latitude, map number, UTM.

(9) storage medium:

electronic magnetic tape	hard copy maps/overlays text

(10) spatial character:

point, areal

(11) scale of maps: Various from 1:12,00 to 1:500,000

(12) origin of data:

contracts and in-house

(13) contacts:

Mr. André Savoie
Natural Resources Division
Parks Canada
2nd Floor
Les Terrasses de la Chaudière
Ottawa, Ontario KIA 1G2
(819) 994-3244

FILE NUMBER EC 7/2-1

REALTY COMPUTER SYSTEM

(1) agency name:

Program Planning and Evaluation Directorate
Parks Canada
Environment Canada

(2) date: 1979

(3) periodicity: updated every two weeks 50 transactions/month

(4) area:

(5) file size: 4720 entries

(6) Keywords: (subject and variables)

Land tenure agreements in Ontario, Prairie and Western regions of Parks Canada.

(7) description & features

Bank used to identify alienated Crown owned lands held by Parks Canada in three regions only and to help administer these lands. The system embraces 77 fields of tombstone data under the general headings of general information, document terms and conditions, document holder information, land location, property size, document conditions and status, assessment and charges, and rental information.

(8) geographical identifications

(9) storage medium:

electronic

magnetic tape

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

A.W. Fereday
Chief
Realty Division
Parks Canada

(13) contacts:

A.W. Fereday
Chief
Realty Division
Parks Canada
Les Terrasses de la Chaudière
3rd Floor
Ottawa, Ontario K1A 1G2
(819) 994-2444

FILE NUMBER EC 7/2-2

PARKS CANADA LAND ABSTRACTS

(1) agency name:

Program Planning & Evaluation
Directorate
Parks Canada
Environment Canada

(2) date: 1763

(3) periodicity: continuous, ongoing updating as abstracts are developed

(4) area: 55,000 sq. mi. of national park lands, 600 historic sites & parks, 550 mi. of canals

(5) file size: approx. 1000 entries

(6) Keywords: (subject and variables)

homogeneous land title abstracts of all Parks Canada land holdings, namely national parks, national historic parks and sites, canals, Dominion, Admiralty and Ordinance lands.

(7) description & features

Total chain of title from acquisition of property to date. The files date back to 1763 for the Dominion, Admiralty and Ordinance lands, and the national park lands date from 1885.

(8) geographical identifications

All Canada, by legal description of lands

(9) storage medium:

electronic

hard copy
index cards
charts/graphs
maps/overlays

(10) spatial character:

(11) scale of maps:
Variable

(12) origin of data:

A.W. Fereday
Chief
Realty Division
Parks Canada

(13) contacts:

A.W. Fereday
Chief, Realty Division
Parks Canada
Environment Canada
Room 315, Les Terrasses de la Chaudière
10 Wellington Street
Ottawa, Ontario L1A 1G2
(819) 994-2444

FILE NUMBER EC 7/3-1

CANADIAN INVENTORY OF HISTORIC BUILDING (CIHB), INVENTAIRE DES BATIMENTS HISTORIQUES DU CANADA (IBHC)

(1) agency name:

National Historic Parks and Sites Branch
Parks Canada
Environment Canada

(2) date: 1969-1970

(3) periodicity: annual

(4) area: national

(5) file size: approx 200,000 building record of 300 + bytes for record

(6) Keywords: (subject and variables)

Location, building type, architectural features

(7) description & features Information can be retrieved on any or all of the categories indicated in the attached training manual and recording form. This system replaces the old system before the end of the 1981-82 fiscal year. Data bank contains machine-readable (encoded, English or French language) information on the 200,000 surveyed buildings. Extremely large manual back-up system contains photographs, slides, negatives, research reports, and general information such as newspaper clippings, notes, etc.

(8) geographical identifications

Use of geocode which represents the building's address
Use of city, town, county, township names
Rural buildings are plotted on 1:50,000 EMR maps (Maps are not computerized)

(9) storage medium:

electronic
magnetic tape

hard copy
index cards
maps/overlays
Docket files
reports

(10) spatial character:
semi-spatial

(11) scale of maps:

(12) origin of data:

Field survey programs, either salaried or contract and a large number of volunteer surveys

(13) contacts:
Robert M. Harrold
Acting Chief
Canadian Inventory of Historic Building
Les Terrasses de la Chaudière
3rd Floor, North Tower
Hull, Quebec
K1A 1G2
Ph: 994-2231

FILE NUMBER EC 8/1-1

ELIAS; ENVIRONMENT LIBRARIES AUTOMATED SYSTEM

- BIBLIOGRAPHIC -

(1) agency name:

Library Services
Environment Canada

(2) date: 1976

(3) periodicity: updated monthly

(4) area: principally Canada but U.S. & Europe as well

(5) file size: 25,000

(6) Keywords: (subject and variables)

Author, title, source, Library of Congress subject headings and call nos.

(7) description & features Bibliographic database reflecting the monograph, serials, and report collection of the Departmental Library and 14 libraries in the regions. Subject coverage includes all aspects of the environment: pollution, wildlife, geography, natural resources, land use, forestry, wildlife, parks and historic sites. Document delivery is a feature. (On-line access to over 100 commercially available data bases is a library service as well).

(8) geographical identifications

Keywords

(9) storage medium:
electronic
magnetic tape

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Departmental Library collection

(13) contacts:

Helen McCuaig
Library Services
Environment Canada
Ottawa, Ontario
K1A 1C7
Telephone: 997-1768

FILE NUMBER FCC 1/1-1

LANDS SALES REGISTRY

(1) agency name:

Research Division
Farm Credit Corporation

(2) date: 1978

(3) periodicity: periodically
(approx. 2-3 mos.)

(4) area: Canada (all provinces)

(5) file size:

(6) Keywords: (subject and variables)

Land value, town, distance from town, A-F class, assessment, enterprise, total acreage, acres cultivated, arable acres, non-arable acres, land type, topography, condition of land, drainage, depreciation value, dwelling.

(7) description & features

Data collection not confidential however, not publicized. Data used to follow land values. Some areas have inadequate sample size for generalization. Sales are coded "arms length"/"Non arms length" to indicate whether sale price represents true market value or reduced price for family member of friend purchase.

(8) geographical identifications

No legal description, no names, no addresses. Province is identified in addition to FCC in-house geographical code which identifies municipality or county.

(9) storage medium:

electronic

hard diosc

hard copy

(10) spatial character:

semi-spatial, point

(11) scale of maps:

(12) origin of data:

Field appraisers

(13) contacts:

Mr. Marshall Stachnaiak
Research Divsion
Farm Credit Corporation
434 Queen Street
Ottawa, Ontario
(613) 996-6606

FILE NUMBER F&O 1/1-1

FISH HABITAT

(1) agency name:

Freshwater Institute
Western Region
Fisheries and Oceans

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

(7) description & features

The Fish Habitat Section evaluates the impact of industrial developments and activities on living aquatic resources. Current projects include gathering baseline information on the effects of contaminants released by the Alberta Oil Sands development on aquatic ecosystems. Various statistical program are run using either either the IbM 370/168 on desk top calculators.

(8) geographical identifications

(9) storage medium:

electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Stephen Harbicht
Fish Habitat
Freshwater Institute
Fisheries and Oceans
501 University Cr
Winnipeg, Man
R3T 2N6
(204) 269-7379

FILE NUMBER F&O 1/1-2

LIMINOLOGY

(1) agency name:

Freshwater Institute
Western Region
Fisheries and Oceans

(2) date: 1969

(3) periodicity: On-going

(4) area: Manitoba, Ontario

(5) file size:

(6) Keywords: (subject and variables)

Fish catch per unit effort, population estimation, length, weight, age, phytoplanton biomass; water chemistry, resource engineering impact, environmental impact.

(7) description & features

Data related to clearly defined subjects related to resource engineering developments. Major current areas of study are Churchill/Nelson Power Development & Experimental Lakes Area (concerning reactor technology).
Environmental Impact - Experimental Lakes Area (Acid Rain)

(8) geographical identifications

(9) storage medium:

electronic
magnetic tape
floppy disc
hard disc

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

in-house

(13) contacts:

Ken Mills or D.W. Schindler
Experimental Liminology
Freshwater Institute
Fisheries and Oceans
501 University Cres.
Winnipeg, Man. R3T 2N6 or
R.E. Hecky or Drew Bodaly
Regional Liminology, Northern
Reservoir, Biology and Fisheries
501 University Cres., Winnipeg, Man. R3T 2N6

FILE NUMBER F&O 1/1-3

NATIONAL CONTAMINANTS DATA BASE

(1) agency name:

Freshwater Institute
Fisheries and Oceans

(2) date:

(3) periodicity:

(4) area: Ontario, Prairies, N.W.T.

(5) file size: 8,000,000 characters

(6) Keywords: (subject and variables)
pesticides, contaminants, freshwater fish areas, biological parameters.

(7) description & features

A system 2000 data base containing 8 million characters of operational data on heavy metal and pesticide contaminants recorded for freshwater fish caught within Ontario, the prairie provinces, and the N.W.T. Information concerning area fished, date, biological parameters, and contaminant concentration is available via natural language inquiry. It is part of National Contaminants Data base.

(8) geographical identifications

(9) storage medium:
electronic
hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Mr. G. McGregor
Industrial Services Branch
Fisheries and Marine Services
Freshewater Institute
Fisheries and Oceans
501 University Cr
Winnipeg Manitoba
R3T 2N6

MARITIMES
Mr. Alan Connors
Acting Chief
Computer Services Division
Fisheries Management
Atlantic Fisheries - Maritimes Region
Fisheries and Oceans
P.O. Box 550
Halifax, Nova Scotia B3J 2S7

NEWFOUNDLAND
Mr. Alain Perras
Regional Data Base
Administrator
Economics & Intelligence Br
Atlantic Fisheries - Nfld Region
Fisheries & Oceans
P.O. Box 5667
St. John's, Nfld. A1C 5X1

QUEBEC
Gilles Carpentier
Chef, Service Economique
Pêches de l'Atlantique - Région du Quebec
Pêches et Océans
C.P. 15500
Québec, Qué. G1K 7X7

PACIFIC
Mr. Harri Hsu
Head, EDP Unit
Program Support Branch
Pacific & Freshwater Fisheries - Pacific Region
Fisheries and Oceans
1001 West Pender Street
Vancouver, British Columbia V6E 2P1

FILE NUMBER F&O 1/1-4

REGIONAL INSPECTION SYSTEMS

(1) agency name: Freshwater Institute Fisheries and Oceans Western Region	**(2) date:** **(3) periodicity:** **(4) area:** Prairie provinces, Canada **(5) file size:**

(6) Keywords: (subject and variables)
Inspectors name; place of inspection; lake; species; weight; quality; size; form; brand; rates of infestation (whitefish and tublibee only)

(7) description & features
Contains details of the quality of fish products from commercial shipments. Also, contaminant data is maintained for freshwater fish within the Western Region, which forms western component of the National Contaminants Data base. A computerized batch processing system with many statistical and summary reports. Operates at University of Manitoba Computer Centre on IBM 370/168 through remote batch entry system at CAD.

(8) geographical identifications

(9) storage medium: electronic	hard copy	**(10) spatial character:** **(11) scale of maps:**

(12) origin of data:	**(13) contacts:** Mr. G. McGregor Industry Services Branch Fisheries and Maritime Services Freshwater Institute Fisheries and Oceans 501 University Cr Winnipeg, Man R3T 2N6 (204) 269-7379

FILE NUMBER F&O 2/1-1

FISHERIES ECOSYSTEMS DATABASE

(1) agency name:

Research and Resource Services
Fisheries and Oceans Canada

(2) date: since July 1978

(3) periodicity: updated annually

(4) area: Flemish Cap & Nfld Grand Banks

(5) file size: several files of several hundred records each

(6) Keywords: (subject and variables)

Ichthyoplankton, zooplankton, chlorophyll, nutrients, primary production, hydrologyé

(7) description & features

Numerical database with information on ichthyoplankton, zooplankton, chlorophyll, nutrients, primary production and hydrology. These are updated annually and subject to change as the data is analyzed. As the date is used for analysis few parameters are generated and files changed as needed. It is not a data base that once set up, is simply maintained.

(8) geographical identifications

Latitude and longitude

(9) storage medium:

electronic	hard copy
magnetic tape	tables (statistical)
floppy disc	charts/graphs
	maps/overlays

(10) spatial character:
point, line, areal

(11) scale of maps:
Canada

(12) origin of data:
In-house research vessel,
survey and contract analysis

(13) contacts:
John Anderson, Research Biologist
Fisheries Ecosystems
Research & Resource Services
Fisheries and Oceans Canada
St. John's, Newfoundland A1C 5X1
(902) 426-8390

FILE NUMBER F&O 3/1-1

CATCH STATISTICS

(1) agency name:

Program Support Branch
Pacific & Freshwater Fisheries -
Pacific Region
Fisheries and Oceans

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

Catch, income movement, management information, planning

(7) description & features This is a complete and complicated system which uses the Catch Statistics and CFV license master files to co-relate with the Small Crafts Harbour Projects. Special Codes statistically analyze the fishermen's catch and income movement of the commercial fishing fleet in order to provide management information for the utilization and future planning of Small Craft Harbour Branch. A complete accounts receivable system is implemented for better control of the collection of wharfage incurred by commercial and sport boats.

(8) geographical identifications

(9) storage medium:

electronic
magnetic tape

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Head, EDP Unit
Program Support Branch
Pacific & Freshwater Fisheries -
Pacific REgion
Fisheries and Oceans
1090 West Pender Street
Vancouver, B.C. V6E 2Pl
666-6204

FILE NUMBER H&W 1/1-1

SPA/OAS/GIS POSTAL CODE AGGREGATE

(1) agency name:

Policy Planning and Information Systems
Branch
Information Systems Directorate
Health and Welfare

(2) date: June, 1978

(3) periodicity: Annual

(4) area: Canada

(5) file size: 50 M. Bytes

(6) Keywords: (subject and variables)

Mimimally aggregate at postal code level, for Spouses Allowance, Old Age Security, and Guaranteed Income Supplement giving Age, Sex, Marital Status, Amount of pension.

(7) description & features

Uses to give number of recipients of SPA/OAS/GIS (Spouses' Allowance/Old Age Security/Guaranteed Income Supplement) in any one month at a postal code location. This then can be used to produced tables with area's defined in terms of postal code locations.

(8) geographical identifications

Postal code

(9) storage medium:

electronic

magnetic tape

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Supply and Service
SPA/OAS/GIS

(13) contacts:

Health and Walfare
Policy Planning Information System
Division
12th Floor Brook Claxton Bldg
Tunney's Pasture
Ottawa, Ontario K1A 0K9
(613) 995-2891

FILE NUMBER H&W 1/1-2

GEOSAN

(1) agency name:

Planning Information Systems Branch
Information Systems Directorate
Health and Welfare

(2) date: 1971

(3) periodicity: 5

(4) area: Canada

(5) file size: 3.5 M Bytes

(6) Keywords: (subject and variables)

Cross Sectional Demographic, Housing, Family, Household and Economic Tables.

(7) description & features

Census or user data based on predefined geographical areas which may be reported on as is or aggregated into larger groups.

(8) geographical identifications

Census divisions, CMA's or user defined

(9) storage medium:

electronic	hard copy
magnetic tape	

(10) spatial character:

semi-spatial

(11) scale of maps:

(12) origin of data:

Primary Source -
Census/71
Census/76

(13) contacts:

Chief of ANSSIR
System Division, Policy Planning
Information
12th Floor, Brooke Claxton Bldg
Tunney's Pasture
Ottawa, Ontario
K1A 0K9
(613) 995-2891

FILE NUMBER H&W 1/1-3

FAMILY ALLOWANCE - POSTAL CODE AGGREGATE

(1) agency name:

Policy Planning and Information Branch
Information Systems Directorate
Health and Welfare

(2) date: December 1978

(3) periodicity: Semi-annual

(4) area: Canada

(5) file size: 170 M Bytes

(6) Keywords: (subject and variables)

Micro data, semi aggregated of postal code, number of children, date of birth, family size, account type.

(7) description & features

Used to give number of children entitled to Family Allowance in any one month at a postal code location. This then can be used to produce tables with areas defined in terms of postal code locations.

(8) geographical identifications

Postal codes

(9) storage medium:

electronic	hard copy
magnetic tape	

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Supply and Service Family Allowance Rate Forecasting File

(13) contacts:

Chief
Welfare Information Division
Information Systems Directorate
Health and Welfare
Brooke Claxton Bldg.
Tunney's Pasture
Ottawa, Ontario K1A 0K9
(613) 995-9615

FILE NUMBER INA 1/1-1

NORTHERN LAND TRANSACTION SYSTEM

(1) agency name:

Northern Environment
Northern Affairs
Department of Indian Affairs and Northern Development

(2) date: 1979

(3) periodicity: on-going

(4) area: NWT and Yukon

(5) file size: NWT: Yukon: 30,000 records, 5,000 active

(6) Keywords: (subject and variables)

Land parcels with instrument status for leases, sales agreements, permits, reservations and easements.

(7) description & features System in land-based with record identification by parcel number. Data selectively retrieved and summarized with statistical and analytical, but no maphandling capabilities. Approx. 40 variables recorded on files including land disposition status, size in hectares and land use types. Base maps utilized are enlarged from 1:50,000 to 1:30,000 and 1:250,000 to 1:31,680.

(8) geographical identifications
Computerized records have reference point described by longs and lats and map sheet number and UTM coordinates. Hard copy records include maps.

(9) storage medium:

electronic	hard copy
hard disc	maps/overlays cadastral records

(10) spatial character:
areal

(11) scale of maps:
1:30,000 and 1:31,680

(12) origin of data:

Land Offices in Yukon and NWT

(13) contacts:
Mr. G.C. Evans
Chief, Land Management Division
Northern Environment
Northern Affairs, DIAND
Les Terrasses de la Chaudière
Hull, Quebec K1A 0H4

FILE NUMBER INA 1/2-1

ARCTIC LAND USE RESEARCH (ALUR) REPORTS

(1) agency name:

Northern Environment
Northern Affairs
DIAND

(2) date: 1971

(3) periodicity: on-going

(4) area: North of 60°

(5) file size: 65-70 reports

(6) Keywords: (subject and variables)

Environmental management, baseline information, impact assessment, land use, water use, regulation.

(7) description & features

Research relative to Land or Water Use, Management or Regulation financed and published by DIAND.

(8) geographical identifications

NTS maps, longs and lats, descriptive, textual.

(9) storage medium:

electronic

hard copy

reports

(10) spatial character:

point, line, areal

(11) scale of maps:

Various

(12) origin of data:

Contractual

(13) contacts:

Mr. Bert Shaw
Environmental Studies Division
Northern Affairs, DIAND
Ottawa, Ont. K1A 0H4
997-0044

FILE NUMBER INA 2/1-1

MINING GEOLOGY INFORMATION CENTRE

- BIBLIOGRAPHIC & NUMERIC -

(1) agency name:

Northern Non-Renewable Resources
Northern Affairs
DIAND

(2) date:

(3) periodicity: Updated continually

(4) area: Yukon and NWT

(5) file size:

(6) Keywords: (subject and variables)

Assessment Reports; Atomic Energy Control Board Reports, publications, theses, press clippings.

(7) description & features

The purpose of the centre is to facilitate easy access to primary and secondary geological related data on the Yukon and NWT; and to provide advice to government and public regarding mining matters in the territories. Facilities include reading area, microfilm readers. The system is connected to Geoscan. A minimum cost is charged for copying documentation and microfilm.

(8) geographical identifications

An indexing based on NTS and tied to Geoscan.

(9) storage medium:

electronic	hard copy
microfiches	reports, publications

(10) spatial character:

(11) scale of maps:

(12) origin of data:

In-house or Regional Territorial Offices companies and consultants

(13) contacts:

Mr. Tom Caine
Mining Division
Northern Non-Renewable Resources
DIAND
Les Terrasses de la Chaudière, 7th Floor
Hull, Quebec K1A 0H4
(819) 997-0911

FILE NUMBER INA 2/2-1

OIL AND GAS ENGINEERING AND GEOLOGICAL WELL DATA SYSTEM

(1) agency name:

Northern Non-Renewable Resources
Northern Affairs
DIAND

(2) date:

(3) periodicity: monthly updating and reporting

(4) area: Yukon and NWT

(5) file size: 1,000 wells

(6) Keywords: (subject and variables)

Engineering geological, production, Yukon, NWT.

(7) description & features

Engineering data maintained for safety and security and management decision reasons. Outputs Well Master Report and Well Productionn Report. An Annual Report is also produced. A plotting program is available for display of well bores.

(8) geographical identifications

(9) storage medium:

electronic

magnetic tape

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

- companies
- field work, Oil and Gas Resources and Oil and Gas Engineering Divisions. DIAND

(13) contacts:

S. Kanik
Oil & Gas Resources Evaluation
Northern Affairs, DIAND
Ottawa, Ont. K1A 0H4

(613) 997-9669

G. Starr
Oil & Gas Engineering
Northern Affairs, DIAND
Ottawa, Ontario
K1A 0H4
(613) 997-9909

FILE NUMBER INA 2/3-1

OIL AND GAS OPERATIONS SYSTEM

- BIBLIOGRAPHIC & NUMERIC -

(1) agency name:

Canada Oil and Gas Lands Administration
Northern Affairs
Department of Indian Affairs and Northern Development

(2) date: 1979

(3) periodicity: on-going

(4) area: NWT & Yukon

(5) file size: Bibliographic: 80,000

(6) Keywords: (subject and variables)

Operations summary: estimated expenditures, expected well depth, location, field, contractors. Technical reports: well depth, well status, fluid recovery, producing horizons. Geological data: well, location, geologicalage, lithologic unit

(7) description & features

Used to monitor and evaluate oil and gas resources north of 60°. A store of summary statistics of oil and gas industry operations and bibliography to technical records held in hardcopy form.

(8) geographical identifications

NWT & Yukon Grid System (related to lats and longs)

(9) storage medium:

electronic	hard copy
hard disc	technical reports

(10) spatial character:
point, areal

(11) scale of maps:
various

(12) origin of data:

Summary statistic on operations supplied by companies

(13) contacts:

D. Sherwin
Director General
Resource Evaluation Branch
Canada Oil and Gas Land Administration
Tower "B", 355 River Road
Vanier, Ontario
K1L 8C1

FILE NUMBER INA 2/3-2

OIL AND GAS VELOCITY ANALYSIS SYSTEM

(1) agency name:

Canada Oil and Gas Lands Administration
Northern Affairs
DIAND

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

Shotpoint, Rock strata planes, vap-time, -dip, -vaug, -trace, horizon dip, com-depty, -error, -isocr, -vin, -ltt, -slope, -intercept.

(7) description & features

Input consists of data collected from seismic section and velocity analysis reports. The objective is to provide an aid to determine optimum locators for drilling wells by analyzing velocity trends and seismic point data. Output: Analysis Report, Velocity Analysis/Sandstone Report.

(8) geographical identifications

Seismic line no., area.

(9) storage medium:

electronic

floppy disc
minicomputer

hard copy

(10) spatial character:

point, areal

(11) scale of maps:

(12) origin of data:

Companies

(13) contacts:

D. Sherwin
Director General
Resource Evaluation Branch
Canada Oil and Gas Land Administration
Tower "B", 355 River Road
Vanier, Ontario
K1L 8C1

FILE NUMBER INA 2/3-3

OIL AND GAS LAND RIGHTS SYSTEM

(1) agency name:

Canada Oil and Gas Lands Administration
Northern Affairs
Department of Indian Affairs and Northern Development

(2) date: 1972

(3) periodicity: on-going

(4) area: NWT & Yukon

(5) file size: 10,000 records

(6) Keywords: (subject and variables)

Lease, Permit, Oil and gas rights, work obligations, deposits, rentals, fees, royalties

(7) description & features

No mapping capability. Records disposition of oil and gas rights in the NWT and Yukon. Forecasts date and rentals, notices, internal operations and management analysis reports. Provides accounting of oil and gas rights. Formerly known as the Oil and Gas Land Use and Land Accounting System.

(8) geographical identifications

NWT and Yukon Grid System (related to longs and lat.) Minimum area "target area" 600' x 600'

(9) storage medium:

electronic

hard disc

hard copy

(10) spatial character:

areal

(11) scale of maps:

(12) origin of data:

(13) contacts:

J. Barrett
Head
Oil and Gas Rights
Canada Oil and Gas Lands Administration
Tower "B", 355 River Road
Vanier, Ontario
K1L 8C1

FILE NUMBER INA 3/1-1

NORTHERN FOREST INVENTORY SYSTEM II

(1) agency name:

Renewable Resources Branch
Northern Affairs Program
DIAND

(2) date: 1978

(3) periodicity: six-year project

(4) area:

(5) file size: area 300,000 records

(6) Keywords: (subject and variables)

Forest characteristics of all lumber stands north of 60°.

Information suitable for statistical analysis concerning type, state and growth of northern forests. Coverage for following Forest Management Units 1. Lower Liard, 2. Slave, 3. Nisutlin, 4. La Biche

(7) description & features

Map sheet number, Timber Harvest zone, stand no.

(8) geographical identifications

(9) storage medium:

electronic
machine readable

hard copy

(10) spatial character:

areal

(11) scale of maps:

1:25,000

(12) origin of data:

DIAND Forest Resources
Division

(13) contacts:

Mr. Mike Fajrajsl
Forest Resources
Renewable Resources Branch
Northern Affairs Program, DIAND
Ottawa, Ont. K1A 0H4
(613) 997-0048

FILE NUMBER INA 3/1-2

AERIAL PHOTOGRAPHY INTERPRETED FOR FORESTRY

(1) agency name: Renewable Resources Branch Northern Affairs Program DIAND	(2) date: 1978 (3) periodicity: N/A (4) area: Yukon (5) file size:

(6) Keywords: (subject and variables)

Aerial photography: forest cover types, duplicate from maps

(7) description & features

Aereal photography, interpreted for the following forest cover types;

a) pure white spruce or pine
b) white spruce - conifers mixed
c) white spruce - hardwood mixed
d) others

Coverage for Forestry Management Unit; 1. Slave, 2. Lower Liard, 3. Nisutlin, 4. La Biche

(8) geographical identifications

Flight line number

(9) storage medium: electronic	hard copy Air photos	(10) spatial character:
		(11) scale of maps:

(12) origin of data: In-house	(13) contacts: Mr. Mike Fajrajsl Forest Resources Renewable Resources Branch Northern Affairs Program DIAND Hull, Quebec K1A 0H4 (613) 997-0048

FILE NUMBER INA 3/1-3

FORESTRY MAPPING

(1) agency name:

Renewable Resources Branch
Northern Affairs Program
DIAND

(2) date: 1978

(3) periodicity: as required

(4) area: Yukon

(5) file size:

(6) Keywords: (subject and variables)

Forest Map. burned, non-productive, single story, two story, multistoried, basal area, structure, species, age class, density, height class.

(7) description & features

Maps for following Forest Management Units. 1. Lower Liard, 2. Slave, 3. Nisutlin, (partial). This mapping of air-photo interpretation is conducted as conditions permit.

(8) geographical identifications

(9) storage medium:
electronic

hard copy
maps/overlays

(10) spatial character:

areal

(11) scale of maps:
1:25,000

(12) origin of data:

in-house

(13) contacts:

Mr. Mike Fajrajsl,
Forest Resources
Renewable Resources Branch
DIAND
Ottawa, Ontario
K1A 0H4
(613) 997-0048

FILE NUMBER INA 4/1-1

NORTHERN STATISTICAL INFORMATION CENTRE

- BIBLIOGRAPHIC -

(1) agency name:

Northern Economic Planning
Northern Affairs
DIAND

(2) date:

(3) periodicity: on-going

(4) area: NWT & Yukon

(5) file size:

(6) Keywords: (subject and variables)

Demographic, socio-economic

(7) description & features

A system to store and retrieve information and statistical data on the Territories within the broad spectrum of socio-economic and demographic. The centre maintains reports, conference documents, individual papers, maps, charts, acts, annual reports, periodicals, publications, statistical information series; it is open to the public. Both manual and computerized systems are included.

(8) geographical identifications

Unknown

(9) storage medium:

electronic

hard copy
tables
maps/overlays
reports
publications

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

Dr. D.E. Stewart
Northern Economic Planning
Branch, DIAND
6th Floor, Les Terrasses de la
Chaudière
Hull, Quebec K1A 0H4
(819) 997-0550

FILE NUMBER INA 5/1-1

MAJOR PROJECTS DOCUMENTATION CENTRE

- BIBLIOGRAPHIC -

(1) agency name:

Major Projects Assessment Branch
Northern Affairs
DIAND

(2) date: 1974

(3) periodicity: on-going

(4) area: North of 60°

(5) file size:

(6) Keywords: (subject and variables)

Pipeline projects, proposals, applications, hearings. Northern, hydrocarbon, transportation, environmental, social, technical, political, legal, tanker

(7) description & features

Contains for easy access, reports, studies, applications, supporting material, exhibits, and transcripts to Mackenzie Valley Pipeline Inquiry, Alaska Highway Pipeline Inquiry, Dome Petroleum Beaufort Sea Proposals, Arctic Pilot Project, Polar Gas Proposals, Normal Wells and other northern hydrocrabon transport proposals and related legislation. NEB and EARP hearings, TERMPOL code assessment.

(8) geographical identifications

Descriptive: name.

(9) storage medium:

electronic

hard copy
publicatins
reports
legislation

(10) spatial character:

(11) scale of maps:
Various

(12) origin of data:

Public Hearings, Companies,
Consultants, Governments

(13) contacts:

Mr. Kelly Riley
Documentation Centre
Major Projects Assessment Branch
Indian Affairs and Northern Development
8th Floor, Terrasses de la Chaudière
Hull, Quebec
K1A 0H4 (819)997-0990

FILE NUMBER INA 6/1-1

INUIT LAND USE AND OCCUPANCY PROJECT: LAND USE ATLAS (VOL III)

(1) agency name:

Northern Coordination and Social Development Branch
Northern Affairs Program
Department of Indian Affairs and Northern Development

(2) date: 1976

(3) periodicity: Published 1976

(4) area: NWT

(5) file size: 153 maps

(6) Keywords: (subject and variables)

Land Use, hunting, trapping, wildlife distribution/movement, place names, campsites, personal map biographies, intrviews, field notes

(7) description & features While Vol I "Land Use and Occupancy" contains 143 maps almost all contain place names only. Volumes I and II are mostly textual; regional descriptions of Inuit Land Use and supporting studies respectively. Volume III contains only the land use maps depicting hunting and trapping time service maps. Source maps and unpublished wildlife and place name maps are held by National Map Collection, Public Archives, 395 Wellington St., Ottawa, K1A 0N3 (613) 995-1077 Sound Tapes held by Sound Archives Section, National Film Archives, (613) 995-1311 and data punch cards and digitized data by Machine Readable Archives, (613) 997-3080 also of the Public Archives.

(8) geographical identifications
Lats and longs

(9) storage medium:
electronic

hard copy
maps/overlays

(10) spatial character:
areal

(11) scale of maps:
1:500,000

(12) origin of data:
Field work

(13) contacts:
G. Abrahamson
Chief
Social and Cultural Development Division
Northern Affairs
Dept. of Indian Affairs and Northern Development
Ottawa, Ontario
K1A 0H4

FILE NUMBER INA 6/2-1

CURRENT AND RECENT RESEARCH AND STUDIES RELATING TO NORTHERN SOCIAL CONCERNS

(1) agency name:

Northern Coordination & Social Development
Northern Affairs Program
Department of Indian Affairs and Northern Development

(2) date: 1976-1981

(3) periodicity: Terminated

(4) area: Canada (North of 60°)

(5) file size: 2,000

(6) Keywords: (subject and variables)

Title: Geographical location, purpose, methodology, findings, research institute, project begun, contact

(7) description & features

Bibliographic style reports are available which list vital information concerning research projects. The same information is also accessible on Can Ole. Extensive coverage and carefully cross-referenced both by subject and geographical location. Updating will not continued after 1981.

(8) geographical identifications
and general area name

(9) storage medium:

electronic

hard copy
Publication

(10) spatial character:

(11) scale of maps:
N/A

(12) origin of data:

In-house collection of (information provided by researchers undertaking project)

(13) contacts:

Donat Savoie, Chief
Northern Social Research Division
Northern Affairs, DIAND
Ottawa, Ontario K1A 0H4
(613)997-9666

FILE NUMBER INA 7/1-1

INDIAN LAND REGISTRY

(1) agency name:

Reserves and Trusts Branch
Indian and Inuit Affairs
Department of Indian Affairs and
Northern Development

(2) date:

(3) periodicity: On-going

(4) area: Canada

(5) file size: 1,634 books, containing a total of 183,610 pages, 6,000 entries/year

(6) Keywords: (subject and variables)

Abstracts: Reserve General, Surrendered Land, Parcel Land Registry. Crown Lands, Provincial General, Canada General

(7) description & features

Registry contains land title information for 2,300 indian reserves, including abstracts describing legal description, easements, leases, alienation, additions and deletions to Reserves, permits, individual interests of Indians and Non-Indians in Indian land. The system is not computerized. Copies of abstracts are available through regional offices as well as through headquarters.

(8) geographical identifications

Survey plans

(9) storage medium:

electronic	hard copy
floppy disc	index cards
hard disc	maps/overlays
	registry books

(10) spatial character:

areal

(11) scale of maps:
Various

(12) origin of data:

DIAND - in-house
Indian band offices

(13) contacts:
Mr. Hubert Ryan
Chief
Indian Lands Registry and
Entitlement Division
Indian and Inuit Affairs
Department of Indian Affairs and
Northern Development
Ottawa, Ontario K1A 0H4
(819) 994-2990

FILE NUMBER INA 7/2-1

RESERVE DATA RECORD

(1) agency name:

Reserves and Trusts Branch
Indian and Inuit Affairs
Department of Indian Affairs and
Northern Development

(2) date: 1970

(3) periodicity: annual

(4) area: Canada

(5) file size: 2,250 records, 3 per page

(6) Keywords: (subject and variables)

Land Use, Area, Accessibility, Responsibility Centre, Band, Educational Facility, Population

(7) description & features

Statistical inventory providing basic reserve data. Land use classification; forest, agriculture, water and other. Inventoried area all Indian reserves (circa 2,250), both occupied (approx 1,450) and unoccupied (circa 800). Time series information is not available.

(8) geographical identifications

Centroid points of reserves identified by lat. and longs and written description.

(9) storage medium:

electronic

hard copy

paper record forms

(10) spatial character:

semi-spatial

(11) scale of maps:
none

(12) origin of data:

In-house and 1968 Forestry Service Survey

(13) contacts:

Mr. Y. Zayachkowski
Reserves and Trusts
Indian and Inuit Affairs
Department of Indian and Northern Development
Ottawa, Ontario K1A 0H4
(819) 994-1102

FILE NUMBER INA 7/2-2

REGISTERED INDIAN MEMBERSHIP STATISTICS

(1) agency name:

Reserves and Trust Branch
Indian & Inuit Affairs Program
Department of Indian Affairs
and Northern Development

(2) date: 1966

(3) periodicity: annual

(4) area: Canada

(5) file size:

(6) Keywords: (subject and variables)

Registered Indian Population

(7) description & features

Computer outputted annually as of Dec 31. Provides membership counts by single years of age, sex and type of residence (beginning 1966) and by age-group, sex, and marital status (beginning 1969). Available by band; agency, district, service centre or regional office; province; region; and nationwide. Annual publication "Registered Indian population by sex and residence" and other statistics available through contact person.

(8) geographical identifications

Name, province, region, band.

(9) storage medium:	
electronic magnetic tape annual publication	hard copy

(10) spatial character:

semi-spatial

(11) scale of maps:
none

(12) origin of data:
Reserves and TRusts (in-house)

(13) contacts:
Mr. W. Zayachkowski
Reserves and Trusts
Department of Indian Affairs and
Northern Development
Ottawa, Ontario
KlA OH4
(819) 994-1102

FILE NUMBER INA 8/1-1

TREATIES AND HISTORICAL RESEARCH CENTRE

(1) agency name:

Research Branch
Corporate Policy
Indian and Northern Affairs
Department of Indian Affairs and
Northern Development

(2) date: 1968

(3) periodicity: on-going

(4) area: Canada, USA, Australia, New Zealand

(5) file size: Document listing available on request

(6) Keywords: (subject and variables)

Historical; treaties; claims processes, and settlement mechanisms; Indian Act; Aboriginal Rights; Native Law.

(7) description & features

Centre maintains historical and legal articles, maps, charts, tables on Canadian Indian Treaties, related aboriginal rights, Indian Act Legislation and selected background legislation. Services provided include reading room facilities, counsel on research sources, file collection, specific claim situation, photocopying facility.

(8) geographical identifications

Descriptive

(9) storage medium:

electronic	hard copy
	tables charts/graphs maps/overlays

(10) spatial character:

areal

(11) scale of maps:

various

(12) origin of data:

In-house government
Courts
Universities
Contract research
Archival research

(13) contacts:

J. Leslie, Chief
Treaties & Historical Research Centre
Research Branch
19th Floor, Les Terrasses de la Chaudière
Hull, Quebec
K1A 0H4
(819) 994-1182, 994-1183

FILE NUMBER INA 9/1-1

MINERAL RIGHTS

(1) agency name:

Yukon Region
Northern Affairs Program
Indian Affairs and Northern Developmnet

(2) date:

(3) periodicity: daily

(4) area: Yukon

(5) file size: 700 maps and 100,000 plus files.

(6) Keywords: (subject and variables)

Mining claims; placer, quartz, dredging, coal, prospecting leases.

(7) description & features Boundaries of mineral disposition, 4 mining districts (1,565,000 hectares approx.) plotted on maps. Claim polygons annotated with record No, Grant No, Lease No, and claim name. Claim plots can be in error due to information from miners, miners' sketches and/or staking. Map is not legal records. All claims field and documented are given Cross Reference No. Claim files contain; application, sketch or copy maps, copy of record, grant or lease, legal description of claim, transfer of interest, agreements, caveats, liens. Claim files also include entry record no., owner's cards, lapsing cards, record sheets, inspection approval. Other additional information includes groupings, renewals and other historical data.

(8) geographical identifications

Rivers, creeks, mountains, valleys, national parks, pipeline corridor. If topographic features are absent, then longitude and latitude used.

(9) storage medium:

electronic

hard copy

index cards
maps/overlays
other

(10) spatial character:

areal

(11) scale of maps:

1:31,680 and 1:10,000

(12) origin of data:

Yukon Region
Mining Recorders Office,
miners and industry

(13) contacts:

Blake Baxter
Mineral Rights Section,
Non-Renewable Resources, DIAND
200 Range Road
Whitehorse, Yukon Y1A 3V1
(403) 668-5151

MINING RECORDERS AT:

Dawson Mining District
Box 249, Dawson City, Yukon
(403) 93-5343

Mayo Mining District
Box 10, Mayo, Yukon
(403) 996-2256

Watson Lake Mining Dist.
Box 269, Watson Lake, Yukon
(403) 536-7366

Whitehorse Mining District
Room 22A, Federal Building
Whitehorse, Yukon
(403) 668-5151, ext. 145

FILE NUMBER INA 9/1-2

MINERAL INVENTORY MAPS AND LIST OF RELATED DATA

(1) agency name:

Yukon Region
Northern Affairs
Department of Indian Affairs and
Northern Development

(2) date: 1981

(3) periodicity: annual update

(4) area: Yukon

(5) file size: 42 sheets, 4,000 entries (list)

(6) Keywords: (subject and variables)

Minerals: inventory, occurance, claims, placer, quartz

(7) description & features

Sets of maps showing mineral occurances; numbered to relate to list. Also includes claim group boundaries of 1980 placer and quartz claims and 1981 staked claims. Set reduced for publication in Yukon Mineral Industry Review List data includes mineralization information and publications references.

(8) geographical identifications

Lat/long NTS map

(9) storage medium:

electronic

hard copy

tables
maps/overlays

(10) spatial character:

point, areal

(11) scale of maps:

1:250,000

(12) origin of data:

Yukon Region
DIAND (in-house)

(13) contacts:

Regional Geologist
Geology Section
Non-Renewable Resources, DIAND
200 Range Road
Whitehorse, Yukon
Y1A 3S9
(403) 668-5151

FILE NUMBER INA 9/1-3

COMPANY ASSESSMENT REPORTS

(1) agency name:

Yukon Region
Northern Affairs Program
Department of Indian Affairs and
Northern Development

(2) date:

(3) periodicity:

(4) area: Yukon, NWT

(5) file size: circa 6,500

(6) Keywords: (subject and variables)

Exploration, Assessment Reports: drilling, geology, geophysical, geochemical, prospecting, representation work.

(7) description & features

Unpublished company data - assessment reports, etc. covers diamond drilling, geophysical and geochemical surveys; evaluation and feasibility studies. No public access until claim lapses. Many include maps or sketch maps. No standard format for data. Reports mostly 8½ x 11 size.

(8) geographical identifications

NTS map sheet ref. no. Name and textual description, sketch maps, other maps.

(9) storage medium:

electronic	hard copy
	maps/overlays paper records

(10) spatial character:

(11) scale of maps:
Various

(12) origin of data:

Geology Section
DIAND Whitehorse,
companies

(13) contacts:

Regional Geologist
Non-Renewable Resources,
Department of Indian Affairs and
Northern Development
200 Range Road
Whitehorse, Yukon Y1A 3S9
(403) 668-51512

FILE NUMBER INA 9/2-1

LAND INVENTORY AND INSPECTION FOR LEASE IMPROVEMENT OR TERMINATION
(FEDERAL TERRITORIAL LAND ACT COMMITTEE)

(1) agency name:

Yukon Region
Northern Affairs
Department of Indian Affairs and
Northern Development

(2) date:

(3) periodicity: On-going

(4) area: Yukon

(5) file size: 450-600 per year

(6) Keywords: (subject and variables)

Land use; lease, improvements, buildings, cleared land, agricultural production, animal husbandry.

(7) description & features Assessment for land application for a) lease, b) grazing, c) agriculture, d) commercial. Includes description of lands, acreage, vegetation, soil type, water sensitive areas, slope, water bodies, water courses, location of improvements and impact, water sources and demand, intended clearing, levelling or earth moving, access, services. Sketch plan with North arrow, sometimes photographs. Standardized form since 1976. Also includes inspection of improvements, description of improvements, status of building (stage of completion), clearing/breakdown/production (agricultural) animal husbandry, other improvements.

(8) geographical identifications

Textual description and sketch plan. Lats and longs of site NTS map sheet, group sheet no., lot no., block no., andlease no.

(9) storage medium:

electronic	hard copy
	forms

(10) spatial character:

areal

(11) scale of maps:

(12) origin of data:

Field Operations
Yukon Region (in-house)

(13) contacts:

Cliff Barr
Federal Lands
Renewable Resources
Department of Indian Affairs
and Northern Development
200 Range Road
Whitehorse, Yukon Y1A 3S9
(403) 668-5151

FILE NUMBER INA 9/2-2

TABLES OF LAND STATUS AND LAND USE STATISTICS - YUKON ROAD SYSTEM

(1) agency name:

Yukon Region
Northern Affairs
Department of Indian Affairs and
Northern Development

(2) date: 1979

(3) periodicity:

(4) area:

(5) file size: 94 tables (120 sheets)

(6) Keywords: (subject and variables)

Land use, land status, land holder. occupant area, lot no., land tenure roads; road kilometer.

(7) description & features

Tables for each disposition or use of land shown on Land Status and Land Use Maps. Yukon Roads System showing road kilometer distances, cardinal point direction of the idsposition from the highway. Each of the 94 map sheets has a separate table.

(8) geographical identifications

NTS topographic sheet no., group sheet no., lot no.

(9) storage medium:

electronic	hard copy
	tables

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Lands Directorate
Environment Canada
Vancouver, B.C.

(13) contacts:

Cliff Barr
Federal Lands
Renewable Resources
Department of Indian Affairs and
Northern Development
200 Range Road
Whitehorse, Yukon
(403) 668-5152

FILE NUMBER INA 9/2-3

MAPS OF LAND STATUS AND LAND USE (2978) - YUKON ROAD SYSTEM

(1) agency name:

Yukon Region
Northern Affairs
Department of Indian Affairs and
Northern Development

(2) date: 1978

(3) periodicity: N/A

(4) area: Yukon

(5) file size: 94 map sheets 10 @ 1:250,000; 84 @ 1:50,000

(6) Keywords: (subject and variables)

Land use: residential agricultural, grazing, sawmills, lodges/motels, commercial facilities, petroleum, storage/utilities, communications, airstrips, campgrounds, general recreation, cemeteries/churches/historical sites, bridgehead reserves, earth removal/storage/garbage dumps, mining, reserve for native use idle/abandoned, native residence, squatter, isolated indian graves/spirit houses.

(7) description & features

Map series depicting 1978 land status and some forms of land use for 5 mi. wide corridor along major roads (excluding Haines Road and Alaska Highway). Information used for compilation was that available in Sept. 1978.

(8) geographical identifications

UTM, lats and longs. NTS mapsheets, reservation no., lot no., lease no., agreement for sale no.

(9) storage medium:

electronic

hard copy

maps/overlays

(10) spatial character:

point, line, areal

(11) scale of maps:

1:250,000; 1:50,000

(12) origin of data:

Lands Direcotrate
Environment Canada
Vancouver, B.C.

(13) contacts:

Cliff Barr
Federal Lands
Renewable Resources
Department of Indian Affairs and
Northern Development
200 Range Road
Whitehorse, Yukon Y1A 3S9
(403) 668-5151

FILE NUMBER INA 9/3-1

LAND USE INSPECTION REPORTS (TERRITORIAL LAND USE REGULATIONS)

(1) agency name:

Yukon Region
Northern Affairs
Department of Indian Affairs and
Northern Development

(2) date: 1970

(3) periodicity: on-going

(4) area: Yukon

(5) file size: 7-9000 forms

(6) Keywords: (subject and variables)

Land use: inspection, brush disposal, erosion control, pollution prevention

(7) description & features Land use inspector's report on adherence to land use permit conditions and standards. Conditions are listed and noted acceptable, unacceptable or not applicable. Form is stand format. Inspections may be multiple, especially in case of mineral land use. Info. includes permit no., location, contractor, sub contractors, inspection date, date operations commenced, current stage of program and odifications (if any).

(8) geographical identifications

Permit no., textual description of location of site.

(9) storage medium:

electronic	**hard copy**

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Field Operations
Yukon Region (in-house)

(13) contacts:

Cliff Barr
Land Resources
Renewable Resources
Department of Indian Affairs and
Northern Development
200 Range Road
Whitehorse, Yukon Y1A 3S9
(403) 668-5151

FILE NUMBER INA 9/3-2

WHITEHORSE SOUTH STUDY THEMATIC MAPS

(1) agency name:

Yukon Region
Northern Affairs
Department of Indian Affairs and
Northern Development

(2) date: 1979

(3) periodicity: N/A

(4) area: Whitehorse, Yukon

(5) file size: 9 sets of 2-4 sheets each

(6) Keywords: (subject and variables)

Recreation; heritage, areas, sites. Agriculture; capability, soil, crop suitability. Fisheries; fish distribution, spawning grounds. Forest; Administration Districts. Land Use; leases, reservations, suitability for settlement. Mining Resources. Base Map.

(7) description & features

Series of themic maps including recreation, agriculture, agriculture capabiulity, fisheries, forest, administrative districts, existing land use, suitability for settlement, final map of proposed uses. 20 fisheries and oceans files stored.

(8) geographical identifications

UTM, lat/long, NTS maps
some textual description.

(9) storage medium:

electronic	hard copy
	maps/overlays

(10) spatial character:

point, areal

(11) scale of maps:
1:250,000

(12) origin of data:

In-house
CanSIS
Lands Directorate
Fisheries and Oceans
Shultz/Teriault 1979
DIAND 1955
YTG Land Assessment

(13) contacts:

Bruce Chambers
Land Resources
Renewable Resources
Department of Indian Affairs and
Nothern Development
200 Range Road
Whitehorse, Yukon Y1A 3S9
(403) 668-5141

FILE NUMBER INA 9/4-1

SNOW SURVEY DATA

(1) agency name:

Yukon Region
Northern Affairs
Department of Indian Affairs
and Northern Development

(2) date:

(3) periodicity:

(4) area:

(5) file size: 1,500 forms
2-300 new each year

(6) Keywords: (subject and variables)

Snow depths

(7) description & features

Snow depths measured at 50 locations 6 times per year (Feb 1, March 1, Apr 1, May 1, May 15, June 1); 5-10 samples per site. Stations Yukon wide but sparse in Northern Yukon. Statistical summaries

(8) geographical identifications

Name of station, lat/long (to nearest minute)
or textual description

(9) storage medium:
electronic

hard copy

tables
forms

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

Yukon Region
DIAND in-house

(13) contacts:

Water Resources
Renewable Resources,
Department of Indian Affairs and
Northern Development
200 Range Road
Whitehorse, Yukon Y1A 3S9
(403) 668-5151

FILE NUMBER INA 9/4-2

FLOOD FREQUENCY AND FORECASTING DATA

(1) agency name:

Yukon Region
Northern Affairs
Department of Indian Affairs and
Northern Development

(2) date: 1977

(3) periodicity:

(4) area: Yukon

(5) file size: 150 sheets (printouts) + 50 per year

(6) Keywords: (subject and variables)

Flood frequency

(7) description & features

Flood frequency analysis - 50-year return period flood; 10 variables. Statistics generated in response to flood management requirements about 50 times per year. Flood forecasting for Ross River and Mayo.

(8) geographical identifications

Textual description (e.g. highway mile post)
lat/long to nearest minute

(9) storage medium:

electronic

hard disc

hard copy

Computer printout sheets

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

DIAND, Yukon Region
(in-house)

(13) contacts:

Water Resources
Department of Indian Affairs and
Northern Development
200 Range Road
Whitehorse, Yukon
Y1A 3S9
(403) 668-5151

FILE NUMBER INA 9/4-3

WATER QUALITY DATA

(1) agency name:

Yukon Region
Northern Affairs Program
Indian Affairs and Northern Development

(2) date: 1970

(3) periodicity: on-going

(4) area: Yukon

(5) file size:

(6) Keywords: (subject and variables)

Water quality, effluent, receiving, trends, mines, municipalities, baseline, proposed.

(7) description & features

Is comprised of several data sources related to water use licence and authorization applications and regulation; including development baseline assessments, compliance monitoring data and receiving water baseline collections.

(8) geographical identifications

Textual; site maps; stream/well name; sketch maps

(9) storage medium:
electronic

hard copy

(10) spatial character:

point

(11) scale of maps:
Various (large scale)

(12) origin of data:

(13) contacts:

Jack Nickel
Water Resources
Renewable Resources
Department of Indian Affairs and
Northern Development
200 Range Road
Whitehorse, Yukon Y1A 3S9
(403) 668-5152

FILE NUMBER INA 9/4-4

SMALL STREAM INVESTIGATION

(1) agency name:

Yukon Region
Northern Affairs
Department of Indian Affairs and
Northern Development

(2) date: 1975

(3) periodicity: on-going, annual

(4) area: Yukon

(5) file size: Several annual summary reports, 80 maps, 1 list, 65 graphs, 65 streams

(6) Keywords: (subject and variables)

Streams: flow, watershed, water level, flow elevation, peak gauge height, cross sections.

(7) description & features Small stream data is collected for up to a minimum of 65 streams, depending on theme. Themes and watershed identification are as follows; watershed boundaries (maps and list of areas); Meter Notes (1974 on for 60 stations); Water Level Strip Chart (30 stations); Daily Flows (30 stations, 1977 on); Graph of Flow Elevation (60 stations - 1975 on. Strip Charts anolog line is digitized. Meter notes in forms and computer printout. Peak Gauge Height (40 stations - 1975 on); Small Stream Cross Sections (25 stations - 50 m either side of station. Publication contains 4 maps (circa 1:2.5 million) Data is not included in Inland Waters System.

(8) geographical identifications

Name of station, general descriptions, NTS maps

(9) storage medium:

electronic

hard copy
tables
charts/graphs
maps/overlays
list reports

(10) spatial character:

areal

(11) scale of maps:
1:50,000; 1:250,000;
1:2.5 million

(12) origin of data:

Yukon Region - DIAND
(in houe)

(13) contacts:
Jerry McLachlan
Water Resources Technologist
Renewable Resources, DIAND
200 Range Road
Whitehorse, Yukon Y1A 3S9
(403) 668-5151

FILE NUMBER INA 9/4-5

WATER USE LICENCE APPLICATIONS SYSTEMS

(1) agency name:

Yukon Region
Northern Affairs
Department of Indian Affairs and
Northern Development

(2) date:

(3) periodicity: on-going

(4) area: Yukon

(5) file size: 1,000 plus each year

(6) Keywords: (subject and variables)

Water quality: licence, authorization, clasification of use, location, claim bumbers, operator, efficient quality.

(7) description & features

Name and address of application, location, nature and purpose of undertaking, water use classification, quality of water returned, quantity of water involved, other properties affected with location and owners, contractor, sub-contractor (names, address, function) time schedule, fees. Including both Placer Miner Application file and water use license, amendments and renewal or authorization file.

(8) geographical identifications

Textual maps (various).

(9) storage medium:

electronic	hard copy

(10) spatial character:

point

(11) scale of maps:
Various

(12) origin of data:
Proponents, consultants

(13) contacts:

Bud McAlpine
Water Resources
Renewable Resources
Department of Indian Affairs and
Northern Development
200 Range Road
Whitehorse, Yukon Y1A 3S9
(403) 668-5151

FILE NUMBER IT&C 1/1-1

TOURISM REFERENCE AND DATA CENTRES (TRDC)

-BIBLIOGRAPHIC

(1) agency name:

Administrative Services
Canadian Government Office of Tourism
Industry Trade and Commerce

(2) date: 1975

(3) periodicity: on-going

(4) area: Canada (and international)

(5) file size: 5,000 + citations and documents

(6) Keywords: (subject and variables)

1,500 descriptors, including: Land-holdings, -resources, -use; topology; site selection; rural development; agriculture; forests; ecology; game reserves; wilderness areas; camping; historical parks, sport fishing; outdoor recreation, -sports; natural attractions; cottages.

(7) description & features

Full public access is available to this on-line system through various libraries, or through annually published catalogues listing holding by descriptor, no charge is associated with either. A fully computerized, bilingual, data base and documentation centre containing bibliographic information on domestic and foreign sources of tourism documentation and data; all referenced documents are maintained and available on inter-library loan basis. As a research aid, documents are classified by type (e.g., plans, forecasts, legislation, on-going research).

(8) geographical identifications

Country, province, region (province), city name

(9) storage medium:

electronic hard disc	hard copy catalogue

(10) spatial character:

point, areal

(11) scale of maps:

N/A

(12) origin of data:

(13) contacts:

Ms. Rae Bradford
Manager
Tourism Reference and Data Centre
Industry Trade and Commerce
240 Sparks St., 3rd Floor, West
Ottawa, Ontario
K1A 0H6
(613) 95-2754

FILE NUMBER NEB 1/1-1

RIGHTS-OF-WAY

(1) agency name:

Right-of-Way Group
Engineering Branch
National Energy Board

(2) date:

(3) periodicity:

(4) area: 17,000 miles of Pipeline in Canada

(5) file size:
book of reference -- very large

(6) Keywords: (subject and variables)

Location, swath width property owner, navigable waters, highways, railways, power lines, how much land -- crown land, private land, leases in perpetuity.

(7) description & features

Contains all available information on rights-of-way for pipelines in Canada. Indicated are the property owner names, number of owners on right-of-way, navigable waters, highways, railways, power lines how much land required, and leases in perpetuity that are deposited in land titles office.

(8) geographical identifications

(9) storage medium:
electronic

hard copy

charts/graphs

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

G.E. Marquardt
Assistant Director
Right-of-Way Group, National Energy Board
473 Albert St., Trebla Bldg.,
Ottawa, Ontario
K1A 0E5
(613) 998-3319

FILE NUMBER NHB 1/1-1

PORT MASTER PLANS

(1) agency name:

National Harbours Board (NHB)
Policy, Planning and
Development Branch

(2) date: 1976

(3) periodicity: on-going

(4) area: Major Canadian Ports

(5) file size: Bound Report, 2-3 volumes per port study.

(6) Keywords: (subject and variables)

Marine orientated but multi-disciplinary planning, port traffic (commodity) projections, marine terminal requirements, transportation infrastructure (road & rail), pre-engineering and conceptual design, environmental impact, land use in port (maps).

(7) description & features

Long range planning (20-30 years) of major ports identifying and making recommendations regarding all future port developments required to serve local, regional and national requirements. Status list attached.

(8) geographical identifications

Longitude and latitude.
Topographic maps.
Hydrograpic charts.

(9) storage medium:

electronic

hard copy
maps/overlays
Publication usually
8½ x 11 bound copy.

(10) spatial character:
Areal - Land area, uses defined homogeneously, conceptual to scale.

(11) scale of maps:
Various large scales

(12) origin of data:

Work contracted to consultants information from all available sources including all levels and departments of government and private industry.

(13) contacts:
F. Shane Foreman
Senior National Ports Planner
Policy Planning & Development Branch
National Harbours Board
16th Floor, Tower "A", Place de Ville
Ottawa, Ontario K1A 0N6
(613) 593-4665, 593-4054

FILE NUMBER NL 1/1-1

NATIONAL MAP COLLECTION

(1) agency name:

National Library

(2) date:

(3) periodicity: as maps are submitted

(4) area: all Canada

(5) file size:

(6) Keywords: (subject and variables)

A-Z index of coverages

(7) description & features

Cartographic Catalogue of all maps from cities, provinces, Federal and Provincial government departments and industry

(8) geographical identifications

Various

(9) storage medium:

electronic

hard copy

maps/overlays

(10) spatial character:
point, line, areal

(11) scale of maps:
Various

(12) origin of data:

Map producing agencies

(13) contacts:

Louis Cardinal
Modern Cartography Section
National Library
4th floor

995-1077

FILE NUMBER NM 1/2-1

SITES

(1) agency name:

National Museums of Canada

(2) date: 1975

(3) periodicity: quarterly in future

(4) area: Canada

(5) file size: 40-60,000 sites

(6) Keywords: (subject and variables)

Archeological sites data base, site, location, nature of site, geographical region info., major drainage systems, foliage.

(7) description & features

Five page report for each site incl. in data base

(8) geographical identifications

Geographical, region

(9) storage medium:

electronic: hard disc

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

in-house

(13) contacts:

Peter Homulous, Director
National Inventory Program
National Museums of Canada
6th Floor, 240 Bank Street
Ottawa, Ontario
992-1355

FILE NUMBER NRC 1/1-1

MACKENZIE VALLEY PIPELINE EMBANKMENT STUDY

(1) agency name:
Geotechnical Section
National Research Council

(2) date: September 1976

(3) periodicity: hourly temperatures (thermal properties, survey 4 times/yr

(4) area: Ft. Wrigley, N.W.T.

(5) file size: recording completed February 1981

(6) Keywords: (subject and variables)

Road Construction: Impacts on seasonal temperature pattern and thermal properties in properties in permafrost ratios of air and road surface temperature

(7) description & features

Hourly data nearly continuous ground temperatures in road embankment and surrounding permafrost terrain. Occasional measurements ground thermal conductivities and level surveys. Data indicate thermal degradation.

(8) geographical identifications

Mile 419.5 Mackenzie Highway, on contractors plans

(9) storage medium:

electronic	hard copy
magnetic tape	charts/graphs

(10) spatial character:

(11) scale of maps:
NA

(12) origin of data:
1. Automatic unattended electronic data logger (temperatures)
2. Field measurements in house

(13) contacts:

L.E. Goodrich, Division of Bldg. Research
Geotechnical Section
National Research Council of Canada
Building M-20, Room 278
Montreal Laboratories
Otawa, Ontario K1A 0R6
Phone: (613) 993-1466

FILE NUMBER NRC 2/1-1

AOSI (ALBERTA OIL SANDS INDEX)

- BIBLIOGRAPHIC -

(1) agency name:

Alberta Research Council
Note: The ARC produces the database, NRC only markets it through CISTI's on-line system CAN/OLE.
(CISTI = Canada Institute for Scientific and Technical Information.

(2) date: 1970-

(3) periodicity: updated quarterly

(4) area: primarily Alberta, but other areas with related technology may also be included

(5) file size 6,546 references as as of June 1981

(6) Keywords: (subject and variables)

The Alberta Oil Sands Index contains references to the technical, social, economic, geographic and environmental aspects of oil sands.

(7) description & features The AOSI database is accessible on-line through CISTI's on-line bibliographic retrieval system, CAN/OLE, or through the Alberta Research Council's Alberta Oil Sands Information Centre. AOSI sources include over 100 technical journals, as well as books, patents, government publications, conference proceedings and consultant's reports. Documents are available from the Alberta Oil Sands Information Centre in Edmonton and/or CISTI in Ottawa.

(8) geographical identifications
On-line searching is done using the place name. For example, a user could search on such words as: ALBERTA; EDMONTON; GREAT SLAVE LAKE; etc.

(9) storage medium:

electronic	hard copy
hard disc	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Materials are collected at the Alberta Oil Sands Information Centre in Edmonton, and all indexing is done here.

(13) contacts:

Ms. Bonnie Bullock
Head, Client Services
CAN/OLE CAN/SDI
CISTI, Building M-55
National Research Council Canada
Ottawa, Ontario K1A 0S2
(613) 993-1210

FILE NUMBER NRC 2/1-2

KNOWLEDGE SOURCE INDEX (KSI)

(1) agency name:

National Research Council
Canada Institute for Scientific and
Technical Information

(2) date: 1974

(3) periodicity: Annual update

(4) area: Canada

(5) file size: 3,500 experts or 35,000 subject descriptors

(6) Keywords: (subject and variables)

Subject headings, cross references, name, address, phone number, notes about service offered.

(7) description & features

Source database citing research and expertise in science, technology and medicine. Direct on-line access is not provided. Used to refer experts to enquirers.

(8) geographical identifications

Includes subject identifiers in such areas as land use/management and geotechnical expertise.

(9) storage medium:

electronic	**hard copy**
magnetic tape	

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Canadian researchers provide lists of their expertise

(13) contacts:

Maureen K. Gabe, Head
Information Exchange Centre
CISTI, NRC
Montreal Rd.
Ottawa, Ontario KIA 0S2
(613) 993-3568

FILE NUMBER NRC 2/1-3

INFORMATION EXCHANGE CENTRE FOR FEDERALLY SUPPORTED RESEARCH IN UNIVERSITIES

(1) agency name:

NRC, CISTI, Information Exchange Centre

(2) date: 1971

(3) periodicity: yearly

(4) area: Canada

(5) file size: 90,000

(6) Keywords: (subject and variables)

University-based research projects including medicine, science and technology, item number, title of project, name of investigators, university and department of principal investigator, fiscal year, language, funding source, amount.

(7) description & features

Data: 1971 to present, entries in English or French language, source database. Annual publication produced - Directory of Federally Supported Research in Univesities includes fiscal total and breakdowns by area and funding agency.

(8) geographical identifications

Universities and departments, funding agencies, subject terminology included in project titles.

(9) storage medium:

electronic

hard disc

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

Information is reported by over 40 funding agencies of the federal government.

(13) contacts:

Maureen K. Gabe, Head
Information Exchange Centre
CISTI, NRC
Building M-55
Montreal Rd
Ottawa, Ontario K1A 0S2
(613) 993-1205

FILE NUMBER PCAN 1/1-1

LAND SYSTEM

(1) agency name:

Petro-Canada

(2) date: 1975

(3) periodicity: on-going

(4) area: Western Canada

(5) file size: 15,000 land documents (leases, etc.)

(6) Keywords: (subject and variables)

Coal, heavy oil, western Canada exploration, surface and environment land documents, leases

(7) description & features

Contains historical and current land documents related to coal, heavy oil, western Canada exploration, surface and environment land documents (leases etc.). Access by on-line means; daily batch output.

(8) geographical identifications

Location cross reference by any recognized method

(9) storage medium:

electronic	**hard copy**
hard disc	

(10) spatial character:

point, areal

(11) scale of maps:

(12) origin of data:

Land contracts, sales,
farm-out agreements

(13) contacts:

Jane McMananan
P.O. Box 2844
Calgary, Alberta
T2P 3E3

(403) 232-4652

FILE NUMBER PCAN 1/1-2

PRODUCTION HISTORY

(1) agency name:

Petro-Canada

(2) date: 1976

(3) periodicity:

(4) area:

(5) file size: 136 million characters

(6) Keywords: (subject and variables)

Production history of all producer wells drille in Alberta, British Columbia and Saskatchewan.

(7) description & features

Batch data access

(8) geographical identifications

(9) storage medium:

electronic

hard disc

hard copy

(10) spatial character:

point

(11) scale of maps:

(12) origin of data:

(13) contacts:

Mr. J. Reichert
P.O. Box 2844
Calgary, Alberta
T2P 3E3

(403) 232-8000

FILE NUMBER PA 1/1

MACHINE READABLE ARCHIVES AND CATALOGUE OF HOLDINGS

(1) agency name:

Machine Readable Archives
Archives Branch
Public Archives Canada

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

Historically significant data, agriculture, economics, recreation, environmental conditions.

(7) description & features

The catalogue lists the machine readable records of historical value produced by federal departments, agencies, royal commisssions and inquiries as well as the private sector that are maintained by the Division. Restriction categories: None; Permission of originator and restricted until (specific date).

(8) geographical identifications

N/A

(9) storage medium:

electronic	hard copy
key punch cards magnetic tape	

(10) spatial character:

various

(11) scale of maps:

N/A

(12) origin of data:

Various

(13) contacts:

Katherine Gavrel
Machine Readable Archives
Documentation and Public Service Section
395 Wellington Street
Ottawa, Ontario K1A 0N3
593-7772

FILE NUMBER PWC 1/1-1

CENTRAL REAL PROPERTY INVENTORY (CRPI)

(1) agency name: Property Documents and PWC Inventories Public Works Canada	(2) date: (3) periodicity: on-going (4) area: all Canada (5) file size: 22,770

(6) Keywords: (subject and variables)

Property size, building size, infrastructure, improvements, usee

(7) description & features

Property measurements and building measurement in m^2 for all Federally owned properties in Canada. Output includes: complete inventory printout, Building Accommodation Summary, Surplus to Need Listing. CRPI Users Manual, CRPI Codes and Headings.

(8) geographical identifications

Addresses, city and province

(9) storage medium: electronic magnetic tape	hard copy	(10) spatial character: point (11) scale of maps: none

(12) origin of data:

(13) contacts:
Head
Central Real Property Inventory
Real Estate Services Branch
Public Works Canada
Sir Charles Tupper Bldg.,
Ottawa, Ontario
K1A 0M2
998-8467

FILE NUMBER PWC 1/1-2

AREA SCREENING CANADA (ASC) PROGRAM REPORTS

(1) agency name:

Area Screening Canada
Real Estate Services Branch
Public Works Canada

(2) date: 1977 - present

(3) periodicity: 5 years

(4) area: selected urban and regional areas of Canada

(5) file size: 30 reports published; 21 more being prepared

(6) Keywords: (subject and variables)

Federal properties, Federal Land Management policy, maps of federal properties.

(7) description & features

All Federal lands are described, mapped and evaluated as to how their use conforms to Federal Land Management Policy. An urban profile presently social, economic and environmental factors which may affect federal property management. Government land planning objectives are listed.

(8) geographical identifications

Text: properties identified by address
Maps: base maps from EMR and MCE topographic map systems.

(9) storage medium:

electronic	hard copy
floppy disc	maps/overlays

(10) spatial character:

areal

(11) scale of maps: 1:25,000, 1:50,000 individual properties 1:5000 - 1:12,000

(12) origin of data:

Questionnaires filled in by property-owning departments, also CRPI

(13) contacts:

Property Development Officer
Real Estate Services, PWC

Pacific Region - 1166 Albern St.
Vancouver, B.C. V6E 3W5;

Western Region - 9925 - 109 St.
Edmonton, Alta. T5K 2J8;

Ontario Region - 4900 Yonge Street
Willowdale, Ont. M2N 6A6;

National Capital - 19th Floor, l'Esplanade Laurier
140 O'Connor, Ottawa, Ont.
K1A 0M3;

Quebec Region - 2001 University St.
Montreal, Que. H3A 1K3;

Atlantic Region - P.O. Box 2247, 1190 Barrington
Street, Halifax, N.S. B3J 3C9

FILE NUMBER TC 1/1-1

CTDS CANADIAN TRANSPORTATION DOCUMENTATION SYSTEM

-BIBLIOGRAPHIC-

(1) agency name:

Transport Canada
Library and Information Centre

(2) date: 1960

(3) periodicity: 4 times a year

(4) area: Canada

(5) file size: 77,500

(6) Keywords: (subject and variables)

Item number, authors citation, report number, language, item.

(7) description & features

Bibliographic data base on transportation and related areas such as transportation engineering. The following organizations also include material in the CTDS: Roads and Transportation Assoc. of Canada, Urban Transportation Development Corporations Ltd., Institute for Guided Ground Transportation, Queen's University

(8) geographical identifications

(9) storage medium:
electronic
magnetic tape
floppy disc

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:
Barbara Witt
Head
Marketing and Public Services
Transport Canada Library & Information Centre
Transport Canada
Ottawa
Tel: 992-4529

FILE NUMBER ____________

(1) agency name:

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

(7) description & features

(8) geographical identifications

(9) storage medium:
electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

FILE NUMBER ____________

(1) agency name:

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

(7) description & features

(8) geographical identifications

(9) storage medium:
electronic
hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts:

FILE NUMBER ____________

(1) agency name:

(2) date:

(3) periodicity:

(4) area:

(5) file size:

(6) Keywords: (subject and variables)

(7) description & features

(8) geographical identifications

(9) storage medium:
electronic

hard copy

(10) spatial character:

(11) scale of maps:

(12) origin of data:

(13) contacts: